FIRST IN THE FIELD!

# Offshore

The Marine Oil OPERATIONS Journal

World's First Four String Completion

See Page 19

CLASS OF SERVICE
This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION
TELEGRAM
W. P. MARSHALL, PRESIDENT

1226 (R 11-54)

SYMBOLS
DL = Day Letter
NL = Night Letter
LT = International Letter Telegram

The filing time shown in the date line on domestic telegrams is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

LD001 PD=FORT WORTH TEX=

MR PRODUCER=

OIL TOWN U.S.A.=

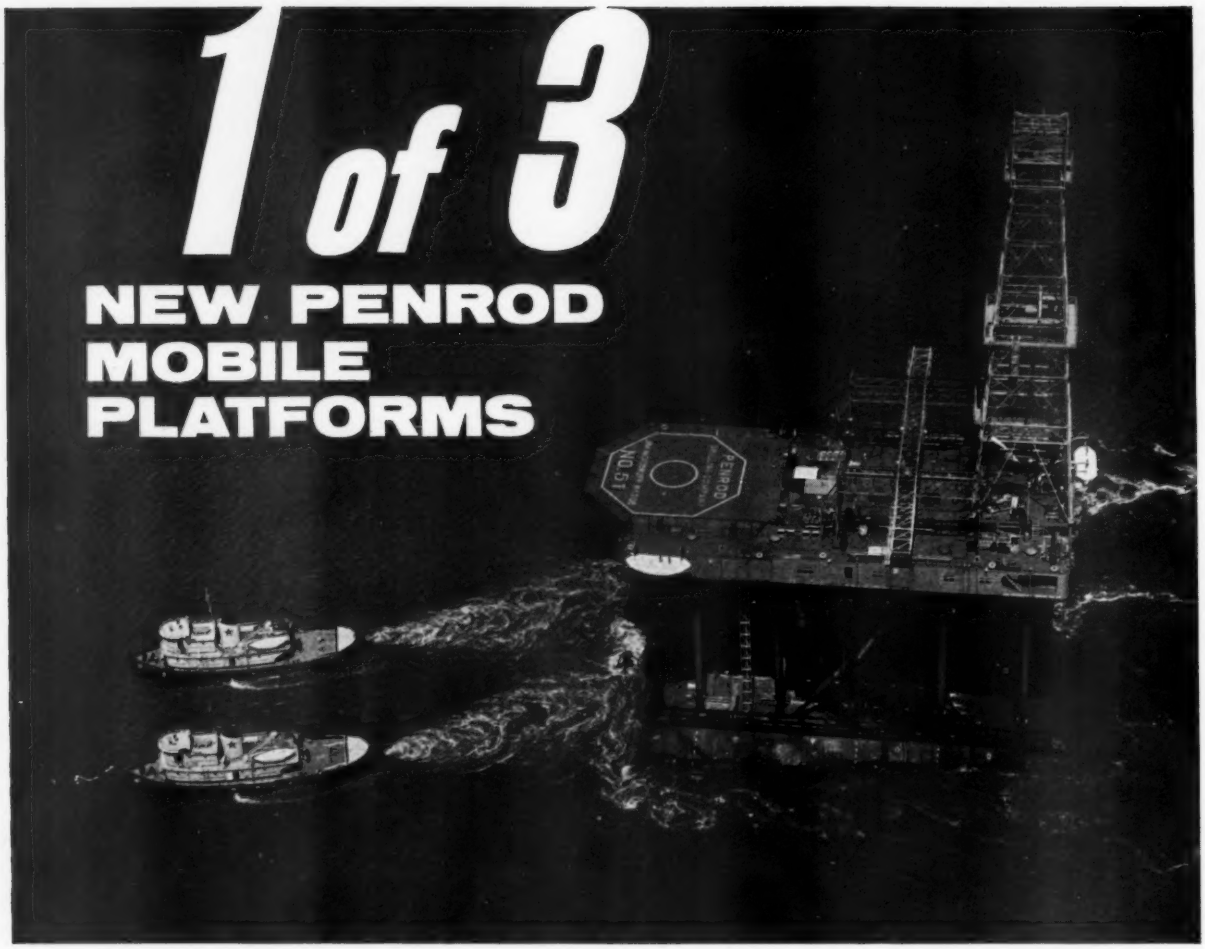
NEW WELEX LINK-JET UTILIZES MOST EFFICIENT USE OF EXPLOSIVE EVER DEVELOPED TO OUT-PERFORM ANY COMPARABLE PERFORATOR IN FIELD TODAY. AVAILABLE ANY WELEX DISTRICT OFFICE IN TWO POWERFUL SIZES: 1-11/16" & 2-1/8" O.D. NEW WELEX LINK-JET DELIVERS MORE THAN 1/2" DIAMETER ENTRANCE HOLE AND UP TO 10" PENETRATION WITH HOLE VOLUME THAT GIVES MORE EXPOSED AREA THAN ANY COMPARABLE TOOL. PLEASE REFER LATEST ISSUE WELEX TOPICS FOR DETAILED INFORMATION AND CALL NEAREST WELEX OFFICE FOR THIS PERFORATOR TODAY=

WELEX INC=

Fifty Cents

TABLE OF CONTENTS ON PAGE 4

AUGUST, 1958




***Built to operate in 75 foot water—powered for 20,000 foot drilling—equipped with submersible float for complete mobility,*** Penrod's "Jim Woodruff," and its two companion platforms offer a new efficiency to any offshore drilling program.

*And on all Penrod rigs:*

**CONTINUOUSLY IMPROVED EQUIPMENT AND METHODS**
**THOROUGHLY EXPERIENCED ORGANIZATION**
**INDIVIDUAL SUPERVISION OF EACH RIG**
**2-WAY RADIO ON ALL EQUIPMENT**
**MODERN HOUSING FOR OPERATING PERSONNEL**
**HIGH PRESSURE PUMPS**
**USE OF MAXIMUM DRILL COLLAR WEIGHT**

FOR MORE
HOLE
PER
DOLLAR
•
ON LAND
ON
INLAND WATERS
OFFSHORE

CALL, WIRE OR WRITE TODAY

**PENROD DRILLING COMPANY**

J. P. (Jack) Johnson, Drilling Superintendent

TELEPHONE 3-1601

418 MARKET STREET SHREVEPORT, LOUISIANA

PENROD
LAND AND SEA
DRILLING COMPANY

# NEW BEDFORD

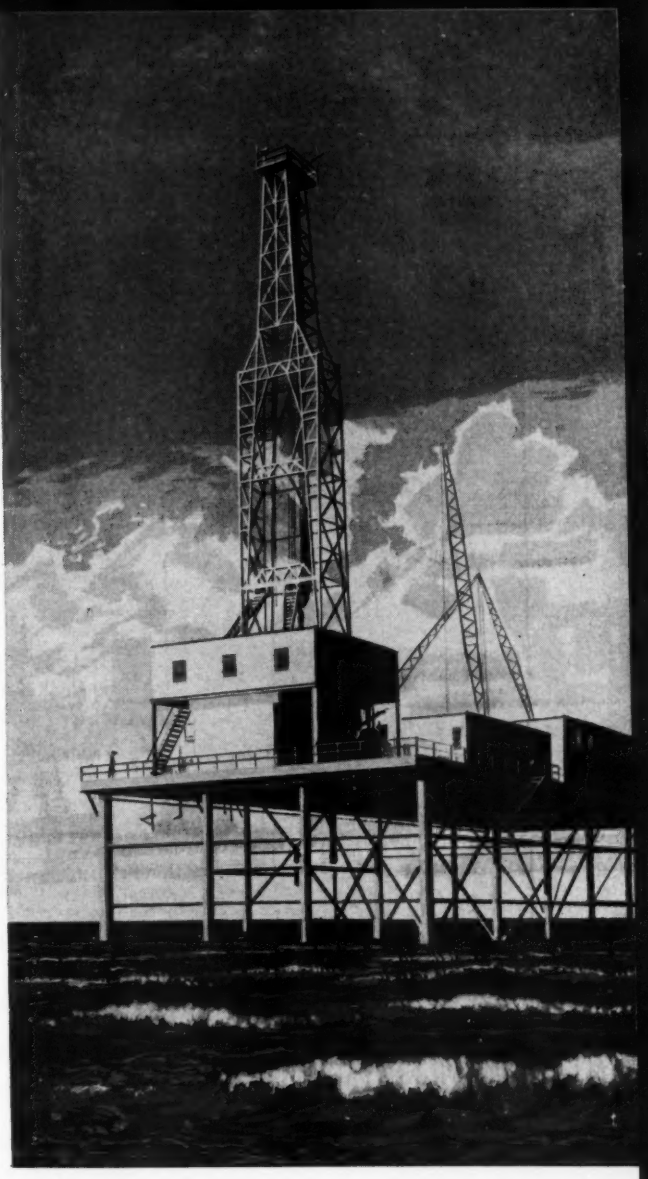
## ...the Oil Man's Marine Rope from...

# CONTINENTAL-EMSCO

Continental-Emsco Gulf Coast stores can supply you with marine rope along with your regular oil field supplies. This gives you convenient *one-stop .. one-source* buying from a supplier that knows your drilling needs.

The best qualities of *two entirely* separate rope constructions are combined to produce New Bedford's *marine* rope for marine work. The normal right-hand twist of the outside yarns is counterbalanced by the special reverse twist of the inside yarns to provide a balanced rope .. one that handles easily, seldom kinks and has long life.

Special chemical impregnation of both outside and inside yarns protects them against wear, salt water and rot.



Order New Bedford marine rope along with your other drilling supplies from Continental-Emsco's convenient Gulf Coast stores.

**Corpus Christi, Texas**
**Houston, Texas**
**Harvey, La.**
**Houma, La.**
**Lake Charles, La.**
**Morgan City, La.**
**New Iberia, La.**
**Venice, La.**

*For Service that Sings.. Equipment that Hums.. Go..*

**CONTINENTAL-EMSCO**

*Serving the Oil and Gas Industries ... Worldwide*

**NEW BEDFORD** "NONE BETTER" **PURE MANILA**

NB804

CONTINENTAL-EMSCO COMPANY • A Division of The Youngstown Sheet and Tube Company • General Offices: Dallas, Texas
Export Division: 45 Rockefeller Plaza, New York, N.Y. • Continental-Emsco Company Limited • General Offices: Calgary, Alberta, Canada
Continental-Emsco Company C.A., Caracas, Venezuela • Plants: Los Angeles • Houston • Garland, Texas • *Representatives in All Principal Oil Fields of the World*

Published Monthly By
**Industrial Trade Publications**
Telephone PLeasant 6-2427
CONROE, TEXAS

VAC
Member, Verified Audit Circulation

Address all communications to:
**OFFSHORE**
P. O. Box 977
Conroe, Texas

JOHN H. LATHAM
Publisher

TOM V. SNEED
Editor

ORVILLE SCOTT
Managing Editor

BILL K. PAYNE
Associate Editor

JIMMIE C. EDWARDS
Art Editor

JEAN LATHAM
Business Manager

MARTHA SLAVIK
Circulation Manager

GERALDINE BOOTH
Editorial Assistant

EMMA JEAN SCOTT
Editorial Assistant

JACK BEECH
Staff Photographer
New Orleans, La.

JESSE T. GRICE
Staff Photographer
Morgan City, La.

Subscription price: $2 per year, $3 for two years. Foreign, $3 per year, $5 for two years.
Back issue, 50c when available.
Second class mail privileges authorized at Conroe, Texas



## THIS MONTH OFFSHORE

A View Of The Mid-East Crisis ..... 15
Offshore Quadruple Completion ..... 19
Cameron Designs Four String Wellhead ..... 22
Fixed Platforms May Drill Five New California Leases ..... 23
Movement To Lower Bridges Threatens Offshore Firms ..... 23
Big Offshore Lease Offering Covers 144,648 Acres In Gulf ..... 24
Lake Washington Holdings Bring Freeport $100 million ..... 28
Penrod Rig 50 ..... 33
New Shallow Water Barge For Workover, Inc. ..... 37
Corrosion Control By Painting ..... 39
Underwater Oil Storage ..... 41
Trinidad Rig Arrives ..... 50
Deep Water Design ..... 62

## SHIPYARDS

Vessel to Accommodate 14 Launched by Blount Marine ..... 47
Ten Deck Barges Completed At American Marine Yards ..... 47
Gulfport Builds Margaret C For Mechling Barge Lines ..... 47
Coast Guard Issues Reminder On Pre-Hurricane Procedure ..... 49

## EXPLORATION

Three Triple Oilers Finaled ..... 55
Two Giant Maracaibo Strikes Bring Block No. 1 Total To 12 ..... 55
Texas Gets Gas Discovery ..... 55

## DEPARTMENTS AND FEATURES

Ad Index ..... 6
Way Offshore With The Publisher ..... 9
Editorial ..... 10
This Month Offshore ..... 23
Industry Items ..... 31
Mobile Units, Tenders, Self-Contained Platforms ..... 43
News From The Shipyards ..... 47
Service Personalities In The News ..... 51
New Products and Literature In The News ..... 53
Exploration ..... 55
Offshore Locations and Completions ..... 56
Oil Man's Calendar ..... 61
Slush Pit ..... 64

ADVERTISING

JOHN H. LATHAM
Publisher

REPRESENTATIVE:
DOUGLAS MAGINNIS
Associate Publisher
530 International Trade Mart
Phone JAckson 5-6961
New Orleans, La.

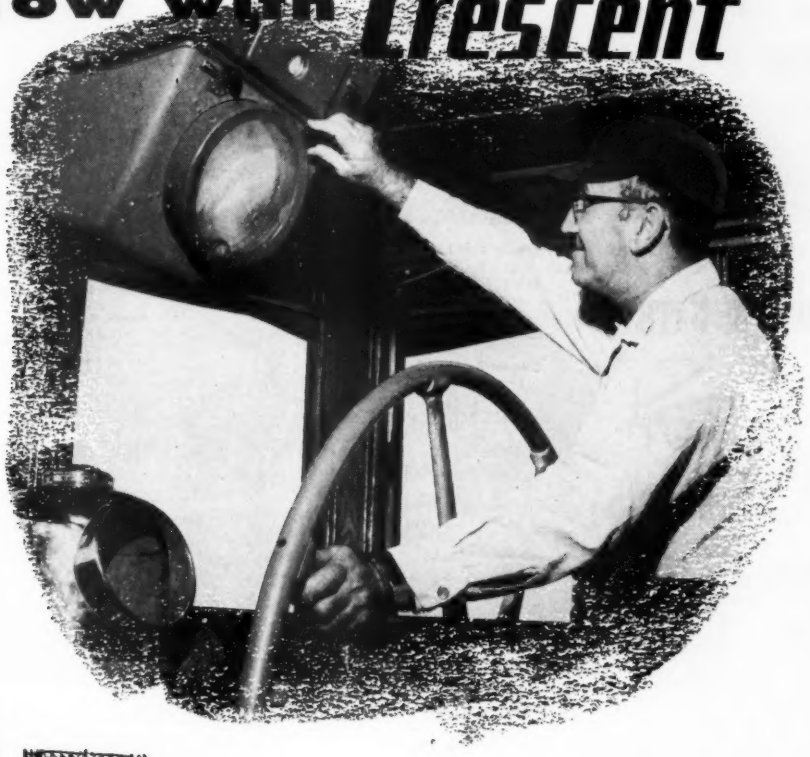
REPRESENTATIVE:
RAYMOND B. MOONEY
Phone ELgin 3467
3121 Clencairn
Toledo 14, Ohio

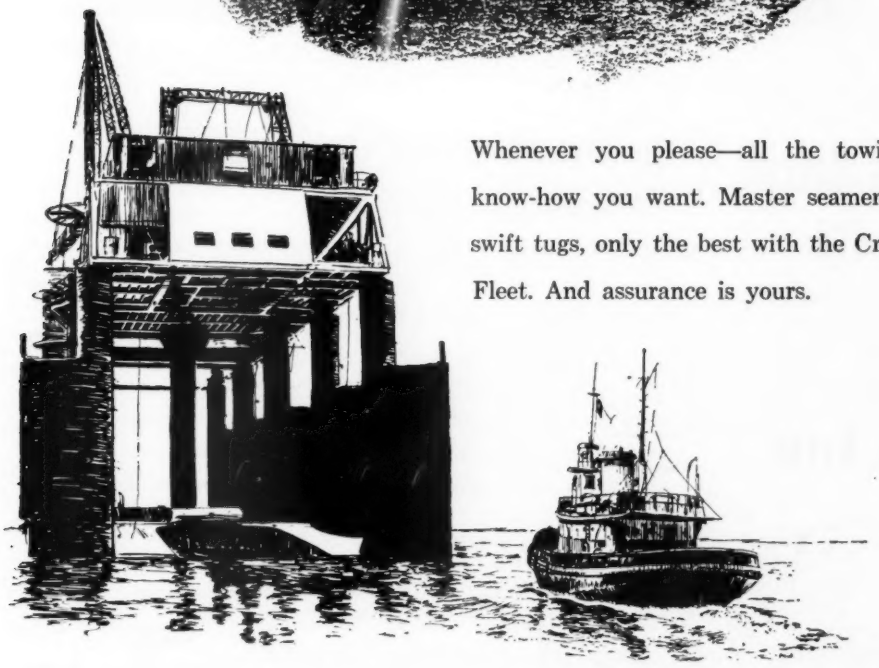
MARY COX
Production Manager

REPRESENTATIVE:
JESS M. LAUGHLIN CO.
West Coast Representative
3757 Wilshire Blvd.
Phone DUnkirk 3-7697
Los Angeles 5, Calif.

REPRESENTATIVE
J. B. FORSE
Vice President
Phone GYpsy 4-3510
Houston, Texas

# Shove off with safety . . .
# Tow with Crescent





Whenever you please—all the towing know-how you want. Master seamen, strong swift tugs, only the best with the Crescent Fleet. And assurance is yours.

CT&S

## Crescent Towing & Salvage Co., Inc.

625 Hibernia Bldg., New Orleans 12 • FOrest 6-1521

*FIRST IN TOWING THROUGHOUT THE GULF, CARIBBEAN AND SOUTH AMERICAN WATERS*

When oil men talk about OFFSHORE DRILLING the name you hear repeated more and more is . . .

READING & BATES

READING & BATES

READING & BATES

READING & BATES

READING & BATES

READING & BATES

OFFSHORE DRILLING CO.

• 1101 Philtower Bldg., Tulsa, Oklahoma

• 610 Saratoga Bldg., New Orleans, Louisiana

# ADVERTISERS' INDEX


Accredited Personnel Services, Inc. ..... 63

Adams & Porter ..... 44

Amercoat Corp. ..... inside back cover
AGENCY—J. W. Watson

Bedell & Nelson, Engineers ..... 61

Begnaud Marine Service ..... 52
AGENCY—S. L. Brown & Associates

Berwick Shipyard & Drydock Co. ..... 40

Bludworth Shipyard, Inc. ..... 52

Boston Metals Co. ..... 63
AGENCY—Maurice Chessler Co., Adv.

Brady Engine Co. ..... 53

Breaux's Bay Craft, Inc. ..... 50

Byrne & Rice Supply Co. ..... 58
AGENCY—Stone-Stevens, Inc.

Cenac Towing Co. ..... 54

Cleaver-Brooks Co. ..... 13
AGENCY—Klau-Van Pietersom-Dunlap, Inc.

Coastal Casting Marine Service ..... 63

Consmar Corp. ..... 38
AGENCY—Stone-Stevens, Inc.

Continental-Emsco Co. ..... 3
AGENCY—Rogers & Smith Adv.

Crescent Towing & Salvage Co. ..... 5
AGENCY—Godwin Adv. Agency

Daly-Contracting de Venezuela ..... 52

Dantzler Boat Rental Co. ..... 58

Arthur D. Darden ..... 61

Dreyfus Supply & Machinery Corp. ..... 45

Elliott Marine Divers ..... 58

Equitable Equipment Co. ..... 60

Eustis Engineering Co. ..... 61

Excess-Surplus Lines, Inc. ..... 48

F & L Industrial Electronics Service ..... 53

Foods and Services, Inc. ..... 32
AGENCY—Radlauer & Caire Adv. Service, Inc.

G & H Towing Co. ..... back cover
AGENCY—Darwin H. Clark Co.

Gardin Offshore Boat Co. ..... 54

L. F. Gaubert & Co. ..... 53

Geer Studio ..... 59

General Marine Corp. ..... 64
AGENCY—Bauerlein, Inc.

George Engine Co. ..... 7
AGENCY—Whitlock, Swigart & Evans, Inc.

Grant Oil Tool Co. ..... 8
AGENCY—L. J. Swain, Adv.

Gulfport Shipbuilding Corp. ..... 48

Morris Guralnick ..... 61

Gurtler, Hebert & Co. ..... 24

Hardin and Ferguson, Inc. ..... 38
AGENCY—Godwin Adv. Agency

L. K. Homyer ..... 61

International Paint Co. ..... 56
AGENCY—E. M. Freystadt Associates, Inc.

Thomas Jordan, Inc. ..... 60
AGENCY—Whitlock, Swigart & Evans, Inc.

Kane Boiler Works ..... 29
AGENCY—Earl Llewellyn Adv. Agency

Kennedy Marine Engine Co. ..... 49

Langham, Langston and Burnett ..... 50

MacClatchie Mfg. Co. ..... 9
AGENCY—L. J. Swain, Adv.

McDonough Marine Service ..... 40

McIntosh Electric Supply Co. ..... 22

Robert H. Macy ..... 61

Maracaibo Marine Service C. A. ..... 49

Marine Catering Service, Inc. ..... 42
AGENCY—Leslie Adv.

Marine Service Co. ..... 40

Maritime Insurance Agency ..... 57
AGENCY—Leslie Adv.

Marsh & McLennan, Inc. ..... 34
AGENCY—Stone-Stevens, Inc.

Mavor-Kelly Co. ..... 57
AGENCY—The Anthony Co.

Micheletti Brothers ..... 32

Otis Engineering Corp. ..... 30
AGENCY—Dan Goodrich, Adv.

Pacific Coast Engineering Co. ..... 18
AGENCY—L. C. Cole Co.

Penrod Drilling Co. ..... inside front cover
AGENCY—Goodloe Stuck Adv. Agency

The Photo Mart ..... 59

E. Emile Rackle Communications ..... 60

Reading & Bates Offshore Drilling Co. ..... 6
AGENCY—Benton Ferguson and Associates

Reagan Equipment Co. ..... 25
AGENCY—Leslie Adv.

Reagan Tool Co. ..... 10
AGENCY—Leslie Adv.

Reed Unit-Fans, Inc. ..... 49
AGENCY—Whitlock, Swigart & Evans, Inc.

Robin Boat Rental Service ..... 44

Schlumberger Well Surveying Corp. ..... 27
AGENCY—Rives, Dyke and Co.

Sea Service, Inc. ..... 12

Southern Marine & Aviation Underwriters ..... 43
AGENCY—Robert Kottwitz Adv.

Thomas L. Stanley, Jr. ..... 61

Steiner Insurance Agency ..... 54

Nolty J. Theriot, Inc. ..... 16

Twenty Grand Towing, Inc. ..... 20
AGENCY—Godwin Adv. Agency

Unit Crane & Shovel Corp. ..... 17
AGENCY—Paulson-Gerlach & Associates

United Aircraft Corp. ..... 14
AGENCY—Lennen & Newell, Inc.

Capt. John F. Vandergrift ..... 61

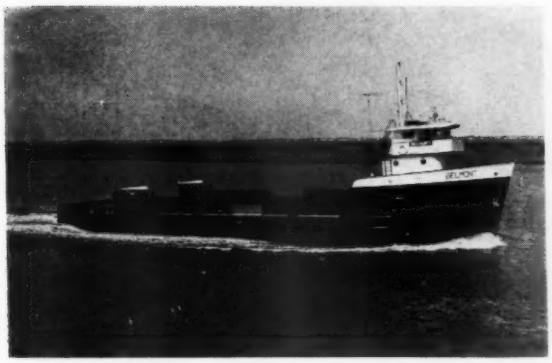
Wallace & Tiernan, Inc. ..... 36
AGENCY—Branstater Associates

Welex, Inc. ..... front cover
AGENCY—Evans & Associates

H. Newton Whittelsey, Inc. ..... 61

John L. Wortham & Son ..... 32
AGENCY—Boone and Cummings

Yale Sales Co. ..... 28
AGENCY—W. L. Culver Adv. Service



M/V Belmont—136' T.S. Supply Vessel—develops 13 mph at 1200 hp. It is powered by GM 6-110 Tandem Twin diesels.

M/V Swaps—85' crew-cargo boat—powered with GM 6-110 diesel engines.

M/V Gallant Man—95' T.S. all weather crewboat—supplied with GM Tandem Twin 6-110 diesels, cruises at 18 mph.

Owners Delo Caspary (left) and Jerry Wendell of Caspary-Wendell Work Boats, Rockport, Texas, discuss GM Diesel Power from George Engine Co., Inc.

## dependable George Engine GM diesels power the entire fleet

The Caspary-Wendell Work Boats, like many other companies, know they can depend on GM diesel power. The owners said: "We are proud of our fleet and of the service we get from the GM diesels which power them. Delivery of these three boats from Burton Shipyards brings our fleet to twelve boats with a total of 54 GM diesels providing power for propulsion and lighting."

DIESEL *power by*

**George Engine**

MARINE · OILFIELD · INDUSTRIAL
630 DESTREHAN AVE., HARVEY, LA.
Fillmore 1-5641

GM GENERAL MOTORS DIESEL POWER

GRANT DIRECTIONAL
HOLE ENLARGER

# THE ENGINEERING ANGLE ON DIRECTIONAL DRILLING

Operators tell us the Grant Directional Hole Enlarger is the finest engineered tool of its type. It is extremely rugged . . . has replaceable cutter assemblies . . . and is the only hole enlarger manufactured with both sleeve and roller bearings to meet all requirements.

Knowing the oil fields—and what operators need in down-hole tools—is part of the job for Grant engineers. With this knowledge, backed by 30 years of manufacturing skill and specialization, Grant leads the field with the tools you need to drill wells *better,* for less.

*Write for Bulletin 38*

# GRANT
## OIL TOOL COMPANY

*Main Office and Plant:*
2042 EAST VERNON AVENUE, LOS ANGELES 58, CALIFORNIA

AVENAL, BAKERSFIELD, COMPTON, VENTURA, WILLOWS, CALIFORNIA • HARVEY, HOUMA,
LAFAYETTE, LOUISIANA • LIBERAL, KANSAS • FARMINGTON, HOBBS, NEW MEXICO • NEW YORK, NEW YORK • OKLAHOMA CITY, OKLAHOMA • HOUSTON, ODESSA, TEXAS • CASPER, WYOMING

## With the Publisher

IN OUR absentminded way, we dropped by Prince Marine Drilling & Exploration Company the other day. Had a chat with a Mr. Davis. Now, Mr. Davis was as nice and friendly as could be, and we greatly enjoyed our visit with him. But afterwards we were terribly disappointed.

Before Mr. Davis gets his dander up, let us hastily explain why. It was because we didn't know, at the time, that this particular Davis had a Dewey tacked on the front of his name. All the time, we were talking to *the* Dewey Davis, who used to superintend rigs for Penrod, and whom we've known by reputation (a very big one) ever since we've been in this salt-water publishing business.

We knew, of course, that Dewey had gone with Prince Marine, but just didn't put two and two together. So—we'll head back and try to persuade Mr. Davis to have a session with a coffee pot, and see if we can't come up with a dozen or so good yarns about the marine oil industry. If he has coffee money, that is!

---

Also dropped by and met Dave O'Brian, with Alco Products, whom we've talked to umpteen times on the telephone but had never met personally.

---

One night last week we stayed up with the roosters, getting out an issue of our companion publication, **Petrochemical Industry**. Got rousted out of bed the next morning by a call from John Pierre Carpentier. Since John gave that spelling of his name to one of the secretaries with full French pronunciation, we've dubbed him the "Baron of Baton Rouge," where he holds down various executive posts with The Offshore Company.

So with an early start, we dropped in that same day on Art Coyle who used to work for **Offshore** but is now a director of drilling mud sales. Art gave us a diet (which we promptly mislaid) guaranteed to take off excess poundage. It had items on it like "sauted gnat whiskers, broiled snail's legs, chopped navel from a navel orange, etc."

If we find it again, maybe we'll be skinnier when we see you next month!

Long John Latham

**For Cementing, Acidizing, Fracturing...**

**FOR ALL HIGH PRESSURE PUMPING**

*By Any Standards–Buy MacClatchie*

Take a high alloy steel valve body . . . design it for smooth fluid flow at highest pressures . . . provide a rubber insert which resists oils, acids and abrasives . . . make it simple in construction—*and you have the new MacClatchie High Pressure Valve for all your extreme high pressure work!*

Then—team up your MacClatchie High Pressure Valves with the MacClatchie "RN" Piston . . . time tested for high pressure pumping! Piston rubbers are bonded to brass rings which fit the piston body. The body and threaded end nuts last indefinitely—simply replacing rubbers renews the piston. Specify the Type "RN" for all heavy duty, high pressure work!

MacClatchie high pressure pump parts are made in sizes for all popular pumps—send for details, or see your MacClatchie field man today!

**MacCLATCHIE**

**MANUFACTURING COMPANY**

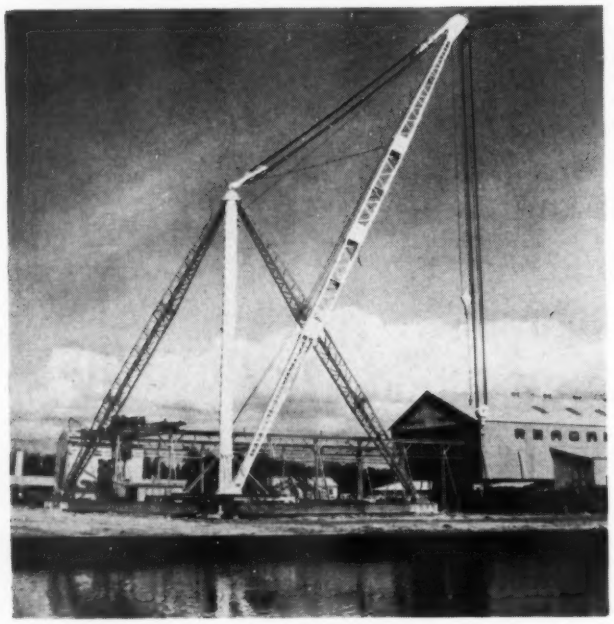
*A Subsidiary of Grant Oil Tool Company*

2120 NORTH ALAMEDA, COMPTON, CALIFORNIA

CALIFORNIA · WYOMING · FOUR CORNERS · KANSAS · LOUISIANA · TEXAS · NEW MEXICO · OKLAHOMA · NEW YORK

# SERVING *your* EVERY NEED!

Specialists in all types of marine construction and repair, Reagan Tool Company serves offshore oil operators as well as inland waterways shippers. Reagan Tool combines efficiency with speed in serving your every need.



**130 Ft. STIFF LEG DERRICK**
**Located at Reagan Tool Company**

**Reagan**
**TOOL COMPANY**

Highway 90 East Morgan City, La.
Phone: 6484


Mid-East Crisis . . .

## A Time For Continuing Action

Entrance of U. S. troops into Lebanon denotes a realization on the part of the United States Government of the importance of the Middle East in either cold or hot war with the Russians.

Arab nationalism is a dominant force in the Middle East, whether it is Russian inspired, Nasser inspired or self generated. From all indications it will remain a driving force among the arabs for at least a generation.

At the time the Baghdad pact was adopted and right up to the overthrow of King Faisal II of Iraq, this government regarded Iraq as our firmest friend among the Arab states and the one least likely to fall under any nationalistic influences of Nasser or Russia.

But it did fall, and swiftly. The Eisenhower Doctrine was no help.

Up until now the U. S. has attempted to skirt the issues in the middle east and stay neutral. The Lebanon action may mean that the State Department has at last decided to abandon its past policies and take a more active part in the affairs of the pro-western Arab nation.

The British stepped in just in time to save the Jordan government and are keeping a close watch on Kuwait, the richest oil country in the Middle East.

No Arab country is safe from revolution. No other Arab nation had made comparable progress with Iraq in recent years but still the government fell.

For the present, tensions seem to be easing, but even if the present crisis subsides without a halt in the mid-east oil flow, observers think that the nationalistic countries under the influence of Nasser will attempt a slow process of increasing their share of the profits from the oil producers.

The U. S. must remain alert and step up efforts in the Middle East to counteract the growing influence of Russian inspired nationalism.

Greatest expansion of world oil reserves has continued to be the Middle East for several years, while U. S. reserves dropped last year.

The Middle East contains 63 percent of the oil proven world oil reserves, U. S. companies control 58 percent of that total.

To insure a future reserve of oil the U. S. must increase its support to the pro-western arab governments. For without our direct and constant help, these governments are no match for the combined subversion of Egypt and Russia.

**The Editor**

# *"Today I started school..."*

If you were the donor who provided this refugee child with a CARE kit of pencils, copybooks and other essentials, that may have been the letter you received from Hong Kong. Or perhaps your receipt showed you had provided a kit of lines and nets for his father, a fisherman who could not work because he lost his gear during the flight from Red China. For every human need in less fortunate lands, there is a CARE package you can send: not only food, but farm and trade tools, new books and school supplies, health equipment — the tools to build vigorous, skilled, self-supporting people able to help themselves. Your contribution in any amount makes this Self-Help possible. Give what you can.

**Your contribution will bring to the needy the tools to learn...to earn... to help themselves**

**Self-Help Program**
**CARE 660 First Ave., New York 16, N. Y.**

Enclosed is $_____ to send self-help tools to the needy.

Your Name_____

Address_____

City_____ Zone____ State_____

Make checks payable to CARE, Inc.

Contributions to CARE's Self-Help Program are income tax-deductible.

## *What is SEA SERVICE?*

**IN OUR CASE IT'S THE FINEST, MOST DEPENDABLE OFFSHORE FLEET AVAILABLE**

*Plus—*

**THE MOST ADVANTAGEOUS CHARTER ARRANGEMENTS FOR GULF OR FOREIGN OPERATIONS**

Whatever your needs . . . a 135-foot supply ship . . . an 86-foot combination crew and supply boat . . . or a fast, dependable crew boat . . . Sea Service Inc. has the ruggedly constructed boat to do your job. Sea Service pioneered the construction of big, powerful offshore supply boats designed and built especially for offshore service.

**WRITE, WIRE OR CALL**

# SEA SERVICE INC.

**EXpress 2276**

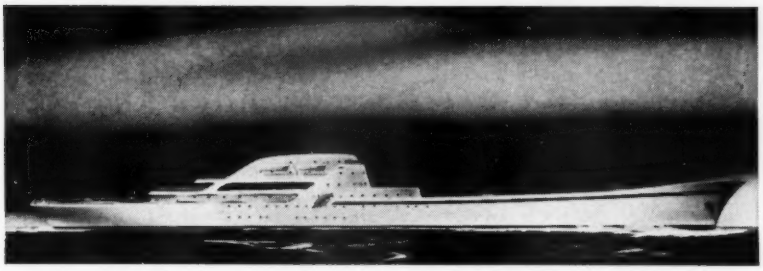
**610 POYDRAS ST. NEW ORLEANS 12, LA.**

# FRESH WATER NEWS

from Cleaver Brooks®

*CAPSULE REPORTS AND INFORMATION ON THE PRODUCTION OF FRESH WATER FROM THE SEA*

## Cleaver-Brooks Flash Evaporators to furnish fresh water for first nuclear merchant vessel



When the world's first nuclear-powered passenger-cargo ship, the Savannah, goes to sea, her fresh water will be supplied by Cleaver-Brooks Flash Evaporators.

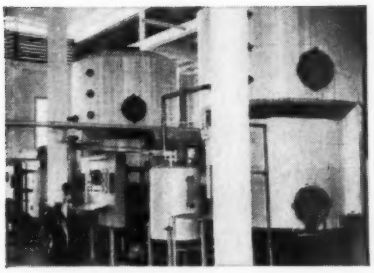
Long operational runs without attention for feed water treatment or interruption for cold shocking plus minimum installed cost are the reasons behind the selection of Flash Evaporators. With the keel already laid, preparation for installing these Cleaver-Brooks evaporators moves ahead.

Widely recognized for having simplified the age-old scaling problem, the Cleaver-Brooks flash evaporators require less auxiliary equipment and less attention than any other type.

Cleaver-Brooks makes a complete line of flash evaporators for shipboard, seaboard and offshore rig use.

**And for the Navy** . . . Cleaver-Brooks will provide a 280,000-gallon-per-day fresh water plant for its first nuclear-powered aircraft carrier, now under construction at the Newport News Shipbuilding and Drydock Company.

It will be the largest distilling plant of any type ever installed on a sea-going vessel and the largest sea water plant in operation in the United States.



### ECUADOR WATER PLANT EXPANSION

Continually plagued by lack of rain and high cost of importing fresh water, the coastal town of Salinas — several years ago — solved its problem of water shortage by installing 100,000 GPD capacity vapor compression sea water distillers. The tremendous local acceptance of distilled water as the potable municipal supply meant an increasing population and greater demand for water.

Now the outstanding vacation spot for Ecuadorians, Salinas is doubling the size of the water plant with the addition of the simple, low cost Cleaver-Brooks flash evaporators. The use of surplus natural gas (available from nearby oil wells) as primary fuel is expected to bring the cost of fresh water well below any previous experience in this area.

Many other coastal municipalities are now studying the situation to determine how their fresh water shortages can be similarly solved to aid population growth and municipal expansion.

### GIBRALTAR TO GET ADDITIONAL CLEAVER-BROOKS EVAPORATORS

Under contract with the British Admiralty, Cleaver-Brooks is installing a new 145,000 GPD flash evaporator plant with boilers which will be placed into operation early 1959. While the new Flash plant is for the NATO Base, Cleaver-Brooks is not a newcomer to the "Rock" as the City of Gibralter has been operating a vapor compression distilling plant since 1952.

Of particular interest in this plant are the design restrictions imposed by transportation and road facilities to the final site. With much of the fabrication arranged in England through subcontractors, final assembly must be completed at the ultimate location to stay within transportation weight limitations.

**For helpful suggestions that solve your fresh water problems send details to: Dept. 088, Cleaver-Brooks Company, Special Products Division, 225 Grand Avenue, Waukesha, Wisconsin.**

Cleaver Brooks®
BUILDERS OF EQUIPMENT FOR THE GENERATION AND UTILIZATION OF HEAT

# ONLY SIKORSKY HELICOPTERS ARE FULLY PROVED IN HEAVY-PAYLOAD COMMERCIAL SERVICE

Only Sikorsky helicopters have thoroughly proved their versatility and reliability with years of commercial service carrying heavy loads.

Shuttling crewmen and supplies to offshore oil rigs, eliminating expensive and time-consuming road-building through jungles or mountains, or in countless other demanding jobs, Sikorsky S-58s and S-55s have speeded the operations of a number of vital industries.

Sikorsky helicopters have performed such varied tasks as pouring concrete from the air, placing heavy steel transmission towers into position . . . airlifting drilling rigs with personnel and supplies into jungle sites . . . or moving quantities of heavy machinery to factory rooftop operating positions.

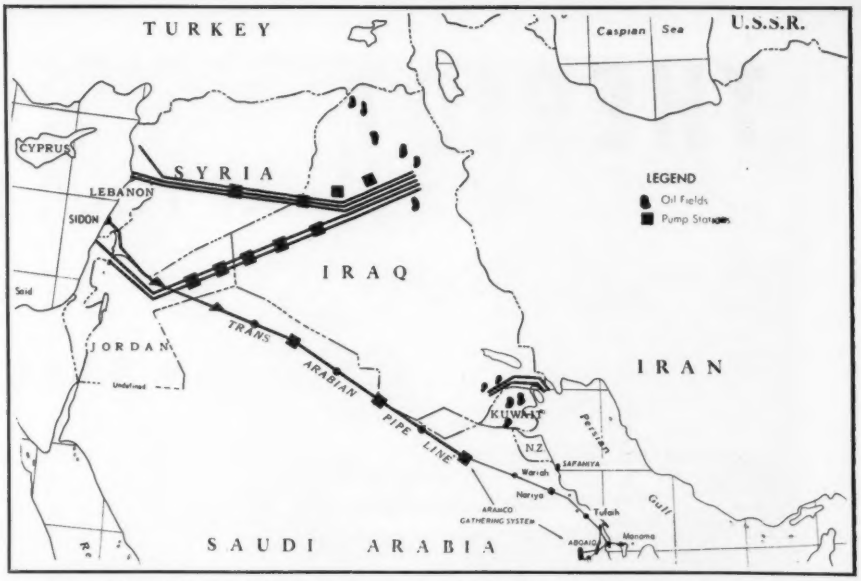
If conventional transportation is inadequate where you want to operate, Sikorsky helicopters may provide the answers to your problems. They offer a unique and thoroughly proved capability to go wherever you need to go, carrying worthwhile payloads. Write for complete information.

Photo: *The British Petroleum Co., Ltd.*

**JUNGLE DUTY**—In remote areas Sikorskys offer unmatched versatility in serving many vital operations. In New Guinea, for example, 3 S-58s speed the search for oil by transporting drilling rigs, workmen, and all equipment and supplies.

**POURING CONCRETE**—A Sikorsky S-58 prepares to pour a 2700-lb. load of ready-mixed concrete for tower footings for a high-voltage line in California. The S-58 saved time and costly road building by also flying steel towers into position at the inaccessible sites.

SIKORSKY AIRCRAFT
STRATFORD, CONNECTICUT
*One of the Divisions of United Aircraft Corporation*




**Though revolution in Iraq and danger in Lebanon threaten the flow of mid-east oil, situation shows signs of easing and there is little chance of the domestic oil picture being affected.**

**Three observers give . . .**

# A View Of The Mid-East Crisis

**Informed opinions on the reasons behind the crisis, probable outcome, and its immediate effect on the domestic industry**

OFFSHORE has called on three men with a thorough knowledge of the oil industry and the background of the mid-east situation to give first; its immediate effect on the domestic oil drilling and production; and secondly, the reasons behind the crisis and the probable future of mid-east oil.

**Jim Teague . . .** "I do not know if these recent developments in the near and middle eastern political situation will disturb the current supply of oil from that area or not. It's too soon to tell now. But any disturbance of the world oil balance should require our domestic industry to step up its development program.

The important thing is the warning the domestic production industry has been giving for the last 18 months, that we cannot allow this country to become dependent on foreign supplies of oil, is now being re-emphasized by this political disturbance. We can not keep ourselves and our friends supplied with an adequate amount of oil, as we have done in the past, unless we are permitted to maintain a vigorous development program in this country, at all times.

I do not think that you can expect to see a big upsurge of drilling activity as a result of the political moves in the mid-east. The domestic oil industry will probably watch developments and take a cautious attitude this time, as a result of having been hurt so badly following the Suez crisis."

**Millard K. Neptune . . .** "I do not believe that Nasser and his associates are wise enough to have planned the situation that has brought about the general worsening of our political status in the mid-east. It is the natural result of Egyptian and Arab nationalism.

They are not direct actions that have been planned; but are rather the reactions of various political developments that have taken place in that part of the world in the past few years.

I do not think that the influence of the Communists is nearly as great as we have been led to suppose. The Arabs are certainly not pro-Russian. They are realists first and foremost. The Iron Curtain countries are the only ones who are buying their cotton, or who have been taking their side of the argument.

I don't think that the mid-eastern situation is going to have much ef-

*(continued on page 17)*

**J. U. Teague, president of AAODC and owner of the Columbia Drilling Company, Houston, Texas.**

**Millard K. Neptune, senior vice-president of Texas Eastern Transmission Co., Houston, Texas. Formerly general manager of Sahara Petroleum Co., working in Egypt for several years.**

**Fares K. Hanna, owner of Hanna Construction Company, Houston, was born in Egypt, went to high school with Nasser, and was a classmate and friend of Mustapha Kahlil Kamel, Nasser's Minister of Public Works, during college.**

# THERIOT

## . . . AT YOUR SERVICE

**EARL OF ORLEANS**

**NAN & RAY**

**GARY R**

**QUEEN BEE**

No offshore towing job is too big or too difficult for the powerful towing fleet of Nolty J. Theriot, Inc.

With four big 1200 hp tugs—the Earl of Orleans, Gary R, Nan & Ray and Queen Bee, each measuring 73 ft. by 21 ft. by 7 ft—our offshore fleet is the finest in the Gulf and is equipped to handle your towing job any time, and in any kind of weather.

For pipeline work, location changes or any offshore operation, consult:

*Nolty J. Theriot, Inc.*

MARINE AND TOWING CONTRACTOR

**Golden Meadow, La.**

OFFICE PHONE: 5-5184

P. O. BOX 306

**Mid-East Crisis . . .**

*(continued from page 15)*

fect on domestic drilling and production activities.

Russia doesn't need the mid-east oil. They couldn't use it if they had it. If Russia could control that oil, it would only be to exert pressure on the Western European nations. You can rest assured that the Arabs know full well that it is the western nations to whom they must sell their oil, if they are to get the cash they need so badly."

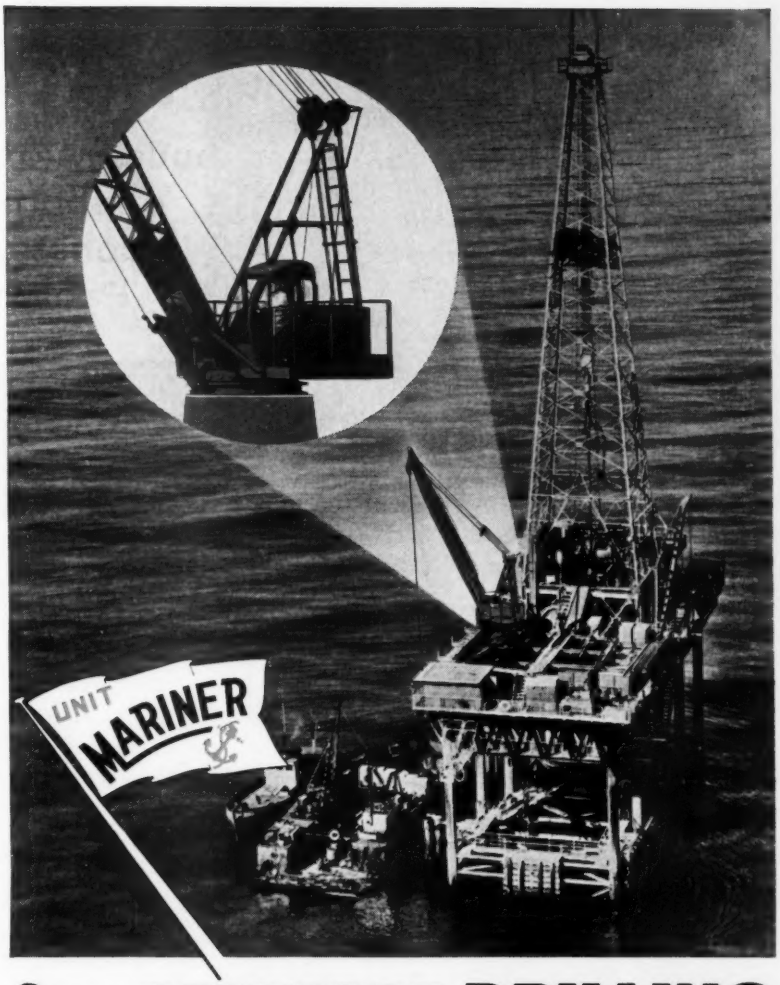
**Fares K. Hanna** . . . "It is my opinion that sending U. S. troops into Lebanon is the kind of action that we should have taken two years ago, with the United Nations Forces at Suez.

Americans assume that Nasser has always been pro-communist. This is not so. He was very hard on the few Communists that were in Egypt when he first took over the government. There is no Communism in his background.

The Suez Canal Company lease on the canal was due to expire in 1970. The company was content to sit back and milk it for all they could get for these last years. They were not maintaining it at all. Nasser saw that by the time the lease reverted to Egypt, he would have a ditch half filled with silt, with the locks and operating equipment all worn out. He took the same attitude towards this that any property owner would take when he sees the improvements on a valuable property being abused by the lessor. Negotiations to correct the situation got nowhere, so he repossessed the canal—by force.

The U. S. had a golden opportunity to make life-long friends out of the Egyptians at this point. They took the first step in this direction by opposing the British and French actions to retake the canal. But Israel and Egypt were fighting. The U. S. has always backed up the Israelis. I don't know why their friendship is considered more valuable than the Egyptians, or other Arab nations.

Anyway, while the U. S. said the French and English ought to pull their troops out of Egypt on the one hand, the Israelis were driving the Egyptian army out of the Ghaza Strip of Egypt, using American arms, which were still arriving in Israel at the time. The U. S. would not send any guns or planes to the Egyptians to help defend themselves against these three attackers. But the Russians would—and did! This was the beginning of Nasser's alignment with Russia against the West."


**for *OFFSHORE* DRILLING**

• The new UNIT Mariner . . . a full-revolving, stationary-mounted crane . . . is tailor-made for offshore drilling operations. It loads and unloads cargo from tender to platform with ease, speed and pin-pointed accuracy.

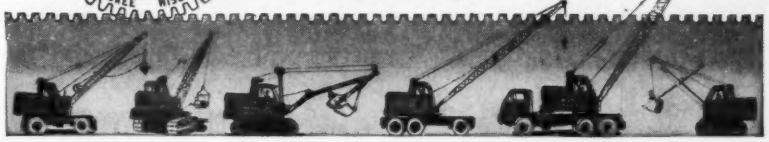
The Mariner is designed for fast, SAFE operation. Turntable, roller path, rollers, hook shoes, boom and hoist mechanism have extra built-in strength. The heavy duty "A" frame permits capacity loads with extended boom at long radius. Positive and mechanical boom stops control the angle of elevation and prevent the boom from whipping back. The FULL VISION CAB enables operator to see in ALL directions. And the famous UNIT sealed gear case serves as a protection against salt spray.

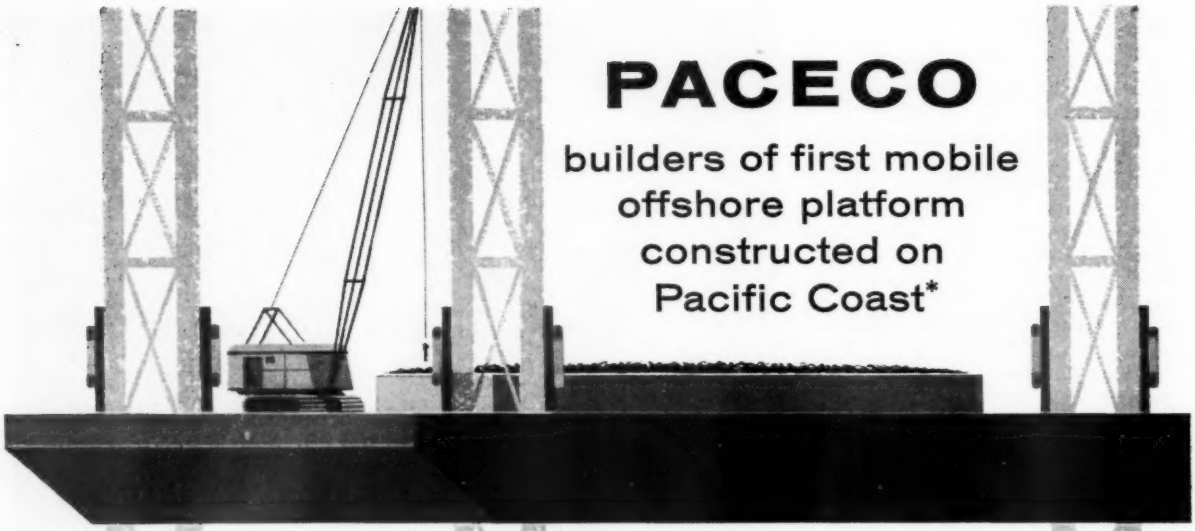
Investigate the possibilities of the UNIT Mariner as applied to ships, barges or offshore platforms. Write for your copy of Bulletin MO-200.

UNIT CRANE & SHOVEL CORP.
6625 W. Burnham Street • Milwaukee, Wis., U. S. A.

UNIT CRANE & SHOVEL CORP. UNIT MILWAUKEE WISCONSIN

*Geared to boost your earnings!*





# PACECO

## builders of first mobile offshore platform constructed on Pacific Coast*

* Offshore platform built for Hyperion Constructors. Initial use will be to lay concrete pipe five miles out to sea from Santa Monica Bay—the Pacific Ocean outfall for the sewer system of the City of Los Angeles. When this project is completed the PACECO-built platform will be used for offshore oil operations.

### PACECO—experience and facilities to serve every marine need of the offshore oil industry

Whatever your requirements . . . platforms, barges, tugboats, workboats . . . PACECO invites your inquiry or invitation to bid. Veteran design engineers, skilled steel craftsmen and modern fabricating facilities are combined in a single efficient production package.

PACECO will build to your specification or work with you at the design stage. Either way you benefit from the skills and experience which have made PACECO a recognized leader in the design and fabrication of steel craft for the marine and oil industries.

**Builders of the world's largest oil barges**

**Builders of the world's first oil-lumber barge**

**Builders of the west's largest ocean going tugs**

4907

35TH YEAR PACECO

PACECO

"TAILORS OF STEEL"®

*Deep water wharf and ways on San Francisco Bay*

For more information about PACECO's services and facilities write for Brochure 6-I

**PACIFIC COAST ENGINEERING CO.**

**Alameda, California • New York 17, N. Y.**

P. O. Drawer "E" LAkehurst 2-6100

51 East 42nd St. OXford 7-1475

REPRESENTATIVES: **Pasadena 8, Calif.**, 744 East Green St., RYan 1-6663

**Houston 1, Texas.**, P. O. Box 1035, MOhawk 4-3504

CATC Group has world's first . . .

# Offshore Quadruple Completion

**Increased allowable offsets added costs of four zone development, points way to more economical operations**

**CATC's self-contained platform in Block 45 Grand Isle Area, scene of the first quadruple string completion in the world. The four completed zones are producing 1200 barrels of oil and 541,000 cublic feet of gas daily through an 8/64 in. choke.**

WORLD'S first four string completion was accomplished recently by the CATC Group on their Well No. C-8 in the West Delta Block 30 field. Four separate strings of tubing were hung from a specially designed well head to complete four separate zones for a total production of 1200 bpd.

A quadruple completion using four strings of 2⅜-in. extreme line tubing was first considered shortly after several triple-string completions had been installed successfully and economically for the CATC Group earlier this year. CATC Group is composed of Continental Oil Company, Atlantic Refining Company, Tidewater Oil Company and Cities Service Production Company with Conoco acting as the operator.

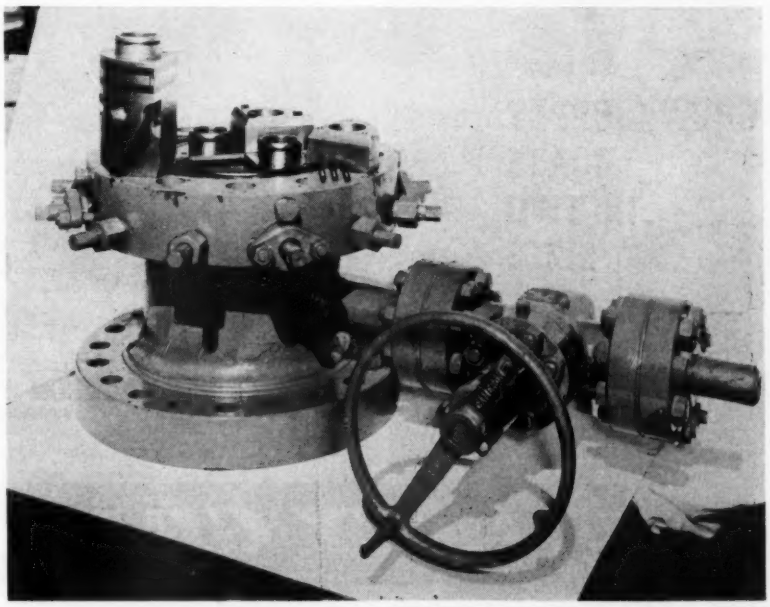
During the initial planning stages, it was decided that in order to make a quadruple completion, the well should have close producing zones and show promise of a long flowing life, so that artificial lift or rework would not be necessary during the early productive stages.

CATC's West Delta Block 45 Well No. C-8 satisfied these requirements. This well is located in the West Delta Block 30 field, approximately 12 miles off the coast of Louisiana in the Gulf of Mexico. The well was directionally drilled a distance of 1,326 ft. from the surface location from a self-contained drilling platform by a Brewster-Bartle Drilling Company crew.

**Preparation for Completion . . .** Representatives of completion equipment manufacturing companies were called in and asked to bring any available information pertinent to such a completion. The Christmas tree for this installation was designed, forged, constructed, tested and shipped by Cameron Iron Works, Inc., Houston, within 23 days of this meeting.

The packer design was already on the Brown Oil Tool Company drawing boards. It was the hydraulic-type set individually by sealing off each respective tubing string with a bakelite ball and applying pressure to the tubing. Differential pres-

*(continued on page 21)*



**This quadruple completion spool has triple seal segmented hangers which locate automatically when lowered in place. Hangers use a back pressure valve for closed pressure completion.**

# ECONOMY

## starts with TWENTY GRAND

From the largest fleet of crew and supply vessels offshore select the one most economical combination for your particular operation. Whether you need service for one or for a dozen rigs, TWENTY GRAND's 30 modern boats hold the best solution to any supply problem. Let this versatile fleet serve you.

**BOATS**

***Largest Fleet Offshore***

**15**

**SUPPLY VESSELS IN FOUR SIZES**

*650-ton capacity*

*550-ton capacity*

*475-ton capacity*

*350-ton capacity*

**DECK AND**

**OIL BARGES**

**15**

**CREW/SUPPLY BOATS IN TWO SIZES**

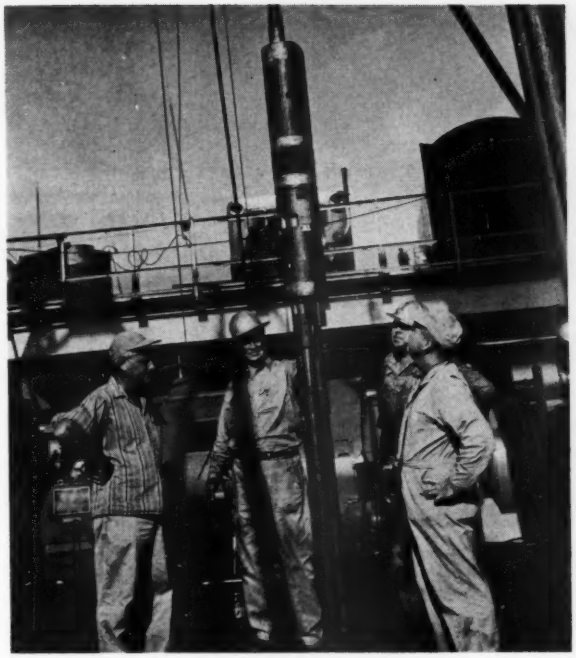
*85 footers*

*65 footers*

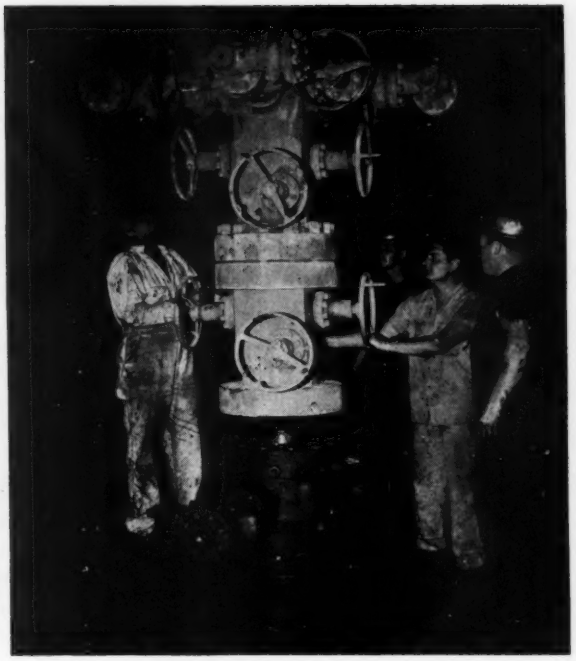
# TWENTY GRAND towing

INCORPORATED

OFFSHORE OIL CENTER, MORGAN CITY, LOUISIANA — PHONE: MORGAN CITY 5013



Inspecting the quadruple packer at the CATC well are, left to right, C. D. Armstrong, CATC district superintendent; Red Chambers and G. O. White of Brown Oil Tool Company; and George B. Grafton, CATC district superintendent.



Assembled Christmas tree is lowered through the derrick floor as Brewster-Bartle Drilling Company roughnecks prepare to witness the world's first four string completion.

## Quadruple Completion . . .

*(continued from page 19)*

sure in excess of 4000 psi shears the pins, sets the slips, and collapses the sealing element. A type CC (criss-cross thread) safety joint was recommended for use on the long tubing string immediately below each packer, in case of inability to rotate the long tubing string through all packers.

Packers are released by rotating the long string. Design of this equipment facilitates the running of all connecting strings below the quadruple packer with the long tubing string. All packers were run on the number one string.

Special unions were incorporated on the bottom of the quadruple and triple packers to tie the second and third connecting strings into the packers.

While completion preparations were being conducted on Well C-8, packers and tubing were assembled, spaced out and color coded in the warehouse yard. Tubing and packers were then shipped out to the rig.

**Completion operations** . . . The well was plugged back to 9820 ft. inside the 9⅝ in. casing. It was decided to displace the mud system with a completion fluid that would not set up behind packers when exposed to high bottom hole temperatures. All of the completion zones were new sands and their exact bottom hole pressure was not known. A drill stem test of the lower zone showed the bottom hole pressure to be 5755 psi. It was decided that a 12.2 pounds per gallon completion fluid would be adequate.

To insure the primary cement job and to prevent water channeling, a two-foot section was perforated in the vicinity of each producing zone and a block squeeze was performed with 200 sacks of slo-set cement. The cement was drilled out and a dry test was taken on each set of squeeze perforations except the lower set, which was left plugged.

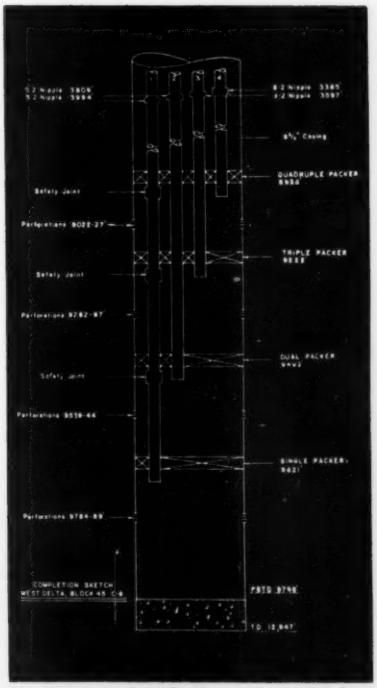
Mud system was then displaced with fresh water. Water was weighted to 12.2 pounds per gallon with one part sodium nitrate to two parts calcium chloride.

To prevent sand incursion, only a five-foot section of each producing zone was perforated and each zone was squeezed with sand-consolidation-plastic.

The four tubing strings were then run into the hole, Christmas tree installed and reverse circulation established through all four tubing strings. Packers were set in reverse numerical order in the manner described above.

Wells were swabbed in and tested giving the following results: Zone C-8, 9784-89 ft., tested 300 bpd; one C-8D, 9539-44 ft., tested 287 bopd; zone C-8T, 9282-87 ft., tested 296 bpd; and zone C-8Q, 9022-27 ft., tested 241 bpd.

The CATC Group believes that the increased allowable gained by the successful quadruple completion will more than offset the additional costs of the well.




Details of setting the four strings of tubing are shown including location of perforations and packers for each zone.

**MARINE AND INDUSTRIAL SUPPLIES**

MAC SAYS:

Call him for Shipboard Wiring Supplies and Equipment.

Big stock on hand of

Hose-McCann Telephones.

Russell & Stoll Ltg. Fixtures.

**Wire & Cable**
**Lighting Fixtures**
**Outlet & Junction Boxes**
**Switches & Switchboards**
**Motors & Controllers**
**Axial Flow Fans**
**Centrifugal Fans**
**Generators—Shaft driven**
**Pumps—To handle all liquids**
**Cable Hangers**
**Connectors—All sizes**
**Searchlights**
**Floodlights**
**Storage Batteries**
**Battery Charging Panels**
**Electrical Spare Parts**

**MARINE CONSTRUCTION**

**Specialists In DC Equipment & Offshore Elec. Repairs**

**SWITCHBOARDS**

**Motor Rewinding**

**WIRING**

**24-HOUR SERVICE**

**McINTOSH ELECTRIC**

**4775 PORT ARTHUR ROAD**

**BEAUMONT, TEXAS**

**Phone: Terminal 5-2517**

Inspecting the four tubing placements atop the well head are, left to right, G. O. White, Brown Oil Tool Company; Ed Hilburn, CATC senior drilling foreman; Bob Henderson, CATC production engineer; Doug Boyd, Cameron Iron Works; and D. J. Maxwell, tool pusher for Brewster-Bartle Drilling Company.

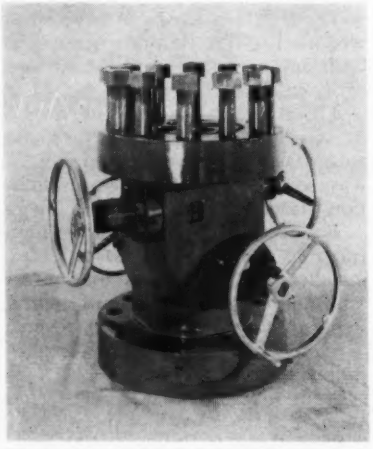
**Cameron designs . . .**

# Four String Wellhead

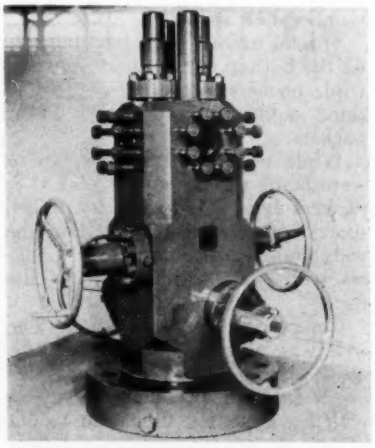
FIRST quadruple string completion to be made utilized a Cameron Iron Works solid block Christmas tree. Especially designed for CATC's quadruple tree was a closed pressure system for complete control at all times using three solid forged special-alloy-steel blocks—one for the tubing head spool, one for the four master valves and one for the four tree valves. Due to the integral design of the tree, cross trees were eliminated.

Tree is API Series 1500 with a 10-in. tubing head flange. Tubing hanger was split in four 90-degree segments of a circle.

Tubing head spool is designed to receive, lock down and seal four segmented tubing hangers. During the time drilling controls were removed and the tree installed, each of the locked down, sealed hangers had a 30,000 psi rated Cameron back pressure valve installed in the hanger annulus. These were removed after the complete tree had been installed and tested.



This solid block quadruple string master valve was cast especially for this well.



This solid block cross type tree valve shows caps and wing valve connections equipped with the new Cameron gate valves.

# Fixed Platforms May Drill Five New California Leases

Several permanent multi-well platforms similar to the one recently positioned on the Summerland lease will probably be built to develop California's newest marine concessions.

Highest bonus bids ever offered for offshore oil lands in the United States secured the five leases off Santa Barbara County for three different combines.

The lease offering, which took place after two years of indecision over leasing rules, brought the state a total of $55.5 million in cash bonuses. Twenty-five bids were submitted on the five offshore blocks, containing 3840 acres each.

Highest bid was $23,711,538 on parcel D paid by a group composed of The Texas Company, Monterey Oil Company and Newmont Oil Company. This set a new United States offshore record of $6175 per acre for the 3840-acre parcel.

Winners of the parcels and the amount of their bonuses follow:

Parcel A, $13,550,000 offered by a group made up of Phillips Petroleum Company, Kerr-McGee Oil Industries, Inc. and Ed Pauley.

Parcel B, $770,838 by Humble Oil and Refining Company and Standard Oil Company of California.

Parcel C, $12,423,598 bid by Humble-Socal partnership.

Parcel D, $23,711,538 by Texas-Newmount-Monterey group.

Parcel E, $5,100,000 bid by Phillips-Pauley-Kermac group.

Waters are less than 100 ft. deep over most of the acreage on the new tracts. On Parcel D, however, practically all of the concession lies within the 100 ft. depth range.

Following the sale, it was reported that contracts had been let with California shipyards for two or three permanent type platforms.

At any rate, drilling on the leases should get underway soon due to the high prices paid and a provision in the three year period allowed for drilling the first well. The provision states that if the operator is still drilling the first well on the lease when the period expires, and it is a dry hole, the acreage reverts to the state.

Basis of the high prices paid might be the core drilling tests which a number of firms have been conducting off California for some time. However, the CUSS group, a leader in the core drilling activity, bid on only one block and failed to obtain it.

Before leasing any further acreage, the State Lands Commission is expected to take time out to observe results on the new leases.

### Movement to Lower Bridges Threatens Offshore Firms

A recent request by the Louisiana Department of Highways could cost offshore operators millions of dollars each year if it is granted.

The department asked the U. S. Corps of Engineers to grant it the right to lower fixed span bridges to as little as 20 ft. clearance.

Along the intracoastal canal where offshore drilling barges are continuously passing in and out, this would completely prevent entrance. Present clearance requirements are 73 ft.

Although the highway department's request has been altered to about 50 ft., oil officials figure that about 40 percent of barges would still be cut off, even if they went through the costly process of dismantling.

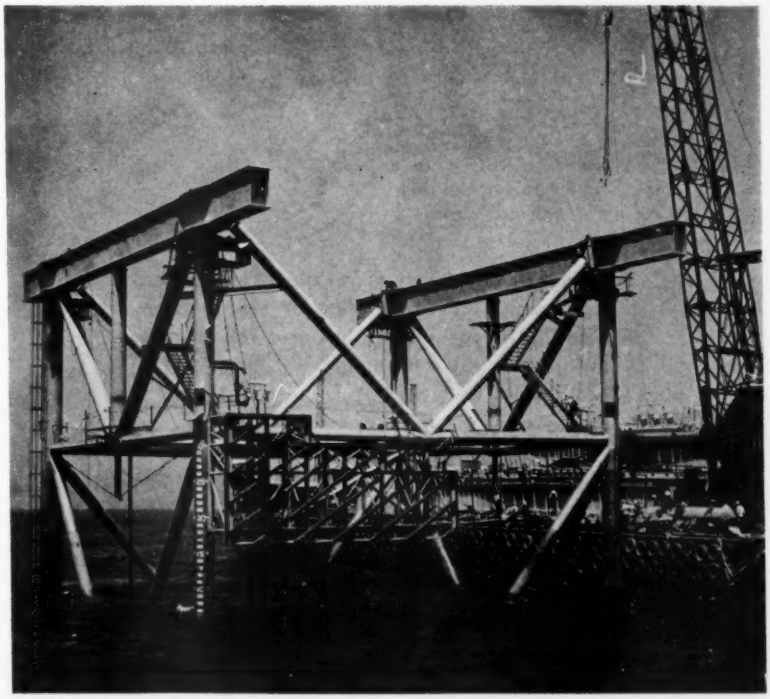
### Louisiana Offshore Center Made Customs Port of Entry

A South Louisiana city that claims an export tonnage of over 8298 tons —mostly machinery and equipment for use in Venezuela's oilfields— over a recent eight-month period has been named a customs Port of Entry.

Morgan City, which lies on the Atchafalaya River west of New Orleans, is a major headquarters for marine oil operations in the Gulf Coast region as well as Lake Maracaibo.

During the past year import and export traffic over the Atchafalaya

*(continued on next page)*



**Stationary platform being positioned in 50 ft. waters off the coast of Santa Barbara, California. The 24-well platform is 110-ft. square mounted atop a 170-ft. tower.**

News . . .

*(continued from preceding page)*

River has increased 500 percent.

Since August of 1957, eight shipments totaling $7 million were sent to Venezuela by McDermott Fabricators, subsidiary of J. Ray McDermott Co., Inc. Three more shipments totaling $800,000 are scheduled to depart for Lake Maracaibo before August 1.

But while McDermott is the largest single exporter, there are a number of major oil companies, drilling and seismograph firms and shipyards to come in for their share of the traffic.

## Alabama

### Big Offshore Lease Offering Covers 144,648 Acres in Gulf

Sealed bids were opened in Alabama July 28 on a large offshore lease offering in the Gulf of Mexico and Mississippi Sound.

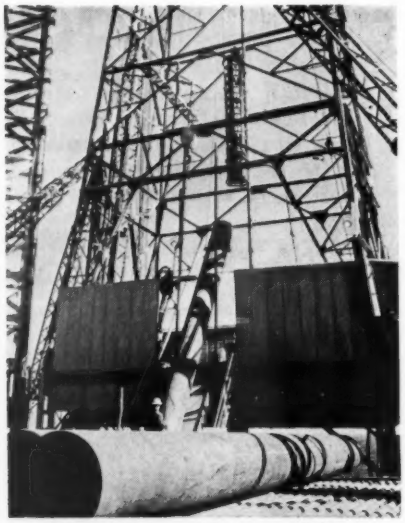
No results are known at this time on the 144,648 acres of submerged lands put up for leasing by the State Director of Conservation. Average size of the plots offered is about 5165 acres.

Almost the entire acreage has been under lease to the Tidelands Development Corporation which holds a lease expiration date of February, 1962. Leases awarded at the July 28 sale, however, will have a tenure of five years.

Deciding factors in the bidding was probably the largest bonus offered along with royalty and rentals. Requirements set up by the state were that bids be submitted in individual tracts, and only bids accompanied by cashier's check were considered.

The Director of Conservation announced prior to the sale that all bonus payments submitted with bids would be held in escrow until bids could be delivered to the successful bidders.


# DRIVING CONDUCTOR PIPE - - ?
# PIPE PILES - - ?



Our 8800 pound hammer delivers 39,700 ft. pounds per blow.

Our hammers and complete conductor pipe rigging, located at New Orleans and Lake Charles can be transported anywhere in the Gulf area to your location on short notice. We deliver the equipment to your wharf site for transportation with the pipe. This hammer is ideal for work from drilling rigs.

**At equal energy output, our diesel equipment weighs only one-third that of steam hammers. This reduces handling and set up costs —minimizes down time.**

For Dock Construction, Pile Driving & Driving Conductor Pipes— CONSULT US—24 Hr. Service

## GURTLER, HEBERT & CO., INC.

**Phones: Day WH 7-0621 · Night AU 0683 · Wire - WUX-UC.**
**1539 PLEASURE STREET NEW ORLEANS, LA.**


## Australia

### Australian Bureau Conducts Papua Gulf Gravity Survey

A gravity survey of the Gulf of Papua is being conducted by the Australian Bureau of Mineral Resources.

A submerged strip ten mi. wide and 110 mi. long from Galley Reach to Kerena will be covered by the present survey. Later a survey may be made of offshore areas all the way to Cape York.

## Bahamas

### Siebens Bahamas Concession Takes in Offshore Acreage

A 524,800-acre concession, partially offshore, has been obtained by Siebens Leaseholds, Ltd. on Andros Island in the Bahamas.

On Cay Sal Bank about 100 miles to the northeast, Zapata Off-Shore Company's Scorpion is drilling ahead on a proposed 15,000-ft. wildcat, sponsored jointly by Gulf Oil Corporation and Standard Oil Company of California.

Siebens, a Canadian firm, has a two-year lease, and will form a special company to conduct exploration. Offshore acreage is on the east side of the island.

## British Guiana

### Seismic Operations Begun Off Coast of British Guiana

Seismic operations off the west coast of British Guiana were begun by California Oil Company (British Guiana) Ltd. in mid-July.

Western Geophysical Company of America is carrying on the exploration, and Offshore Raydist, Inc. is providing radio survey control from

onshore stations during the five-week project.

Two boats and about 20 technologists are being employed in the survey of the 16,000-sq. mi. lease awarded to California Oil Company last April. The company was recently established as a wholly-owned subsidiary of Standard Oil Company of California.

## Canada

### Great Lakes Marine Survey Will Aid Canadian Oil Firms

A group of Canadian oil firms has contributed to a series of marine surveys by Great Lakes Geophysical Research Group.

Using a 400-ton vessel, the survey team, made up of United States and Canadian scientists, will make shallow test borings of the bottoms of the Great Lakes. The tests are expected to provide biochemical data on the histories of the lake beds.

### Newest Iranian Concession Extends Into Gulf of Oman

One of two new leases let by Iran in District III extends a considerable distance into the Gulf of Oman.

Sapphire Petroleums, Ltd., a Canadian firm, obtained the leases totaling 386 sq. mi. lying to the west of the Sirip acreage obtained by the Italians about a year ago.

Sapphire negotiated a 50-50 partnership deal minus the bonus, but agreed to spend $18 million on the leases within a twelve-year period, including $8 million during the first four years.

## Indonesia

### New Deep Water Terminal Supplies Tankers at Dumai

A new deep water terminal completed by Caltex Pacific Oil Company is supplying tankers at Dumai, Indonesia.

Storage facilities can accommodate a million barrels of oil, and in addition there is housing for workers, a power station and a loading pier that can service supertankers.

First tanker to load at the new marine terminal was **The Runner,** a

*(continued on next page)*

contractor PETE TAULLI
uses MARION cranes !
Titeflex flexible
METAL HOSE
SOLVES PROBLEMS OF . . .
EXPANSION AND CONTRACTION
VIBRATION
TEMPERATURE
CORROSION
PRESSURE
Titeflex Flexible Metal Hose is made from brass, monel, bronze, carbon, and stainless steel for conveying all types of organic and volatile liquids (as well as gases) within a broad temperature and pressure range for every type of industrial application.
CALL REAGAN FOR SALES AND SERVICE
REAGAN
Equipment Co.
4916 Jefferson Hwy., N. O., La., VE 5-5427
Hwy. 61 North, Natchez, Miss., Phone 7316

*(continued from preceding page)*

38,545-ton tanker. Oil is brought 36 mi. to the terminal from Indonesia's Duri oilfield by a 30-in. pipeline.

## Kuwait

### Japanese Secure Agreement For Kuwait Offshore Rights

Final concession agreement between oil rich Kuwait and Japan's new Arabian Oil Company have been signed.

A group of ranking company officials led by President Taro Yamashita journeyed to Kuwait to complete the agreement granting the firm rights to explore and develop a part of the Persian Gulf neutral zone off Kuwait.

The Japanese Company obtained the lease last spring over rugged competition with a 57-43 profit split.

## Louisiana

### States Prepare for Climax To Lengthy Tidelands Issue

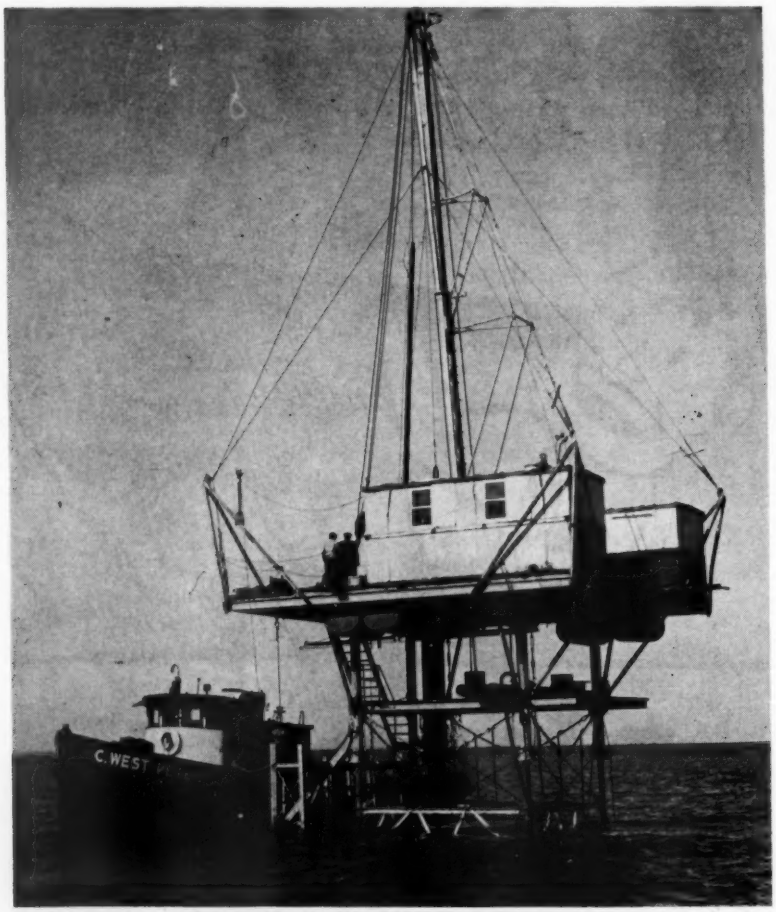
A brief will be filed jointly the middle of this month by five Gulf Coast States in preparation for the climax to the lengthy tidelands case.

At a recent meeting in Baton Rouge, La., attorney generals from Texas, Louisiana, Mississippi, Alabama and Florida drafted the joint document.

Arguments will be resumed in the Supreme Court October 13 with ex-United States Senator Guy Cordon of Oregon serving the five states as special counsel.

Some revised strategy may be presented by at least one of the states involved. The states have always contended their boundaries extended three leagues or 10.5 miles from shore, whereas the United States recognized only the three-mi. seaward boundary.

Recently, however, Atty. Gen. Will Wilson of Texas indicated that Texas might seek exploit rights in the disputed area instead of fighting for the 10.5 mi. boundary.




**Drilling tower operated by Underwater Gas Developers Limited consists of a cable tool rig mounted on a portable steel platform. This and wooden platforms were the sole means of drilling in Lake Erie before New York State Natural Gas Corporation brought in a mobile platform and Marine Drilling Tower Ltd. introduced a floating drilling rig that uses rotary drilling.**

### Company Officials Challenge Hike in Gas Gathering Tax

Gas company officials have challenged the constitutionality of a bill doubling the gas gathering tax in Louisiana and plan to pay it under protest.

The bill which raised the gas tax to two cents per mcf passed recently in the Senate and went to Governor Earl K. Long, who had supported it.

The bill was designed to raise $20 million in additional revenue to support a teacher pay raise.

Meantime, in an effort to ease the effect of the tax raise on producers, the Federal Power Commission has relaxed its rules to allow producers to file changes in rates resulting from the tax increase in less than the 30 days usually required.

Since pipelines plan to contest the tax, the FPC will suspend the tax for one day after it becomes effective. In case the tax is disallowed by the courts, this will insure a refund for buyers who have to reimburse the seller for the tax.

### La. Firm's Name Changed To Black Gold Well Service

A former Lafayette, La., drilling firm named R. P. Phillips Well Service has been changed to Black Gold Well Service.

The company owns and operates two skid-mounted workover units for concentric tubing work utilizing small tubing inside the regular tubing. It also operates a barge-mounted rig which is working in Tigre Lagoon for Howard Cole, Jr.

The **Tiny,** one of two inland drilling barges previously operated by the dissolved R. P. Phillips partnership is being converted to diesel-electric power by the new owner, H. L. Hawkins, New Orleans.

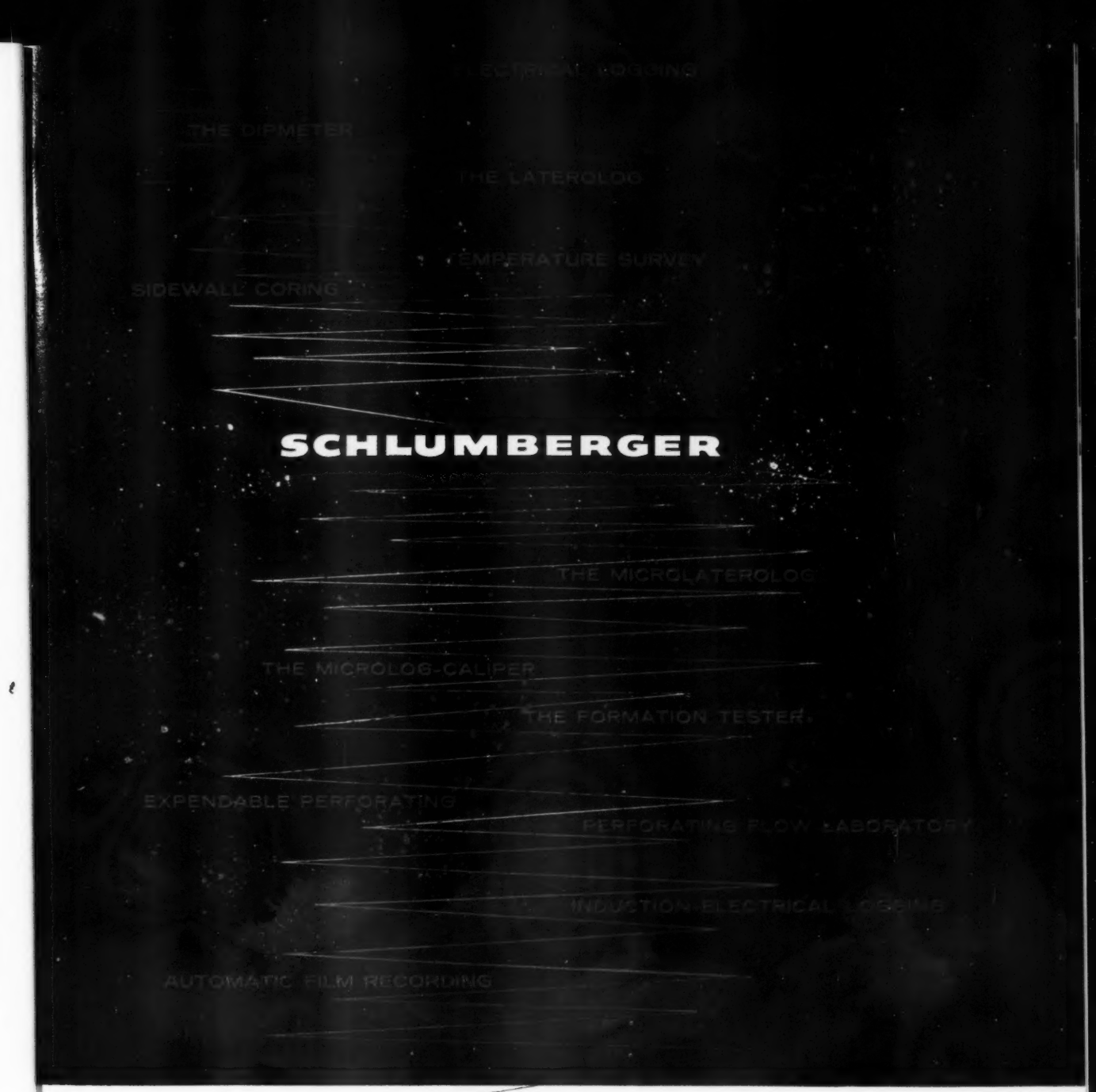
### NLRB Rules It Has Say So On Outer Continental Shelf

The National Labor Relations Board has ruled that its authority extends onto the Outer Continental Shelf.

Its ruling came about recently when workers of General Marine Corporation complained of interference from the company when they tried to unionize.

Argument put forth by General Marine was that NLRB jurisdiction

*(continued on page 28)*




*imitated, but*

*never equalled*

**SCHLUMBERGER**

THE EYES OF THE OIL INDUSTRY®

News . . .

*(continued from page 26)*

did not cover offshore dealings between a state and federally controlled outside territories.

On the contrary, ruled NLRB, the Outer Continental Shelf Lands Act gave it authority over such operations on the Outer Continental Shelf.

### Kermac Offers to Purchase Producer's Accumulated Oil

Kerr-McGee Oil Industries, Inc. has notified producers it will buy their extra crude oil.

The offer covers oil which they had been entitled to produce under state allowables, but had been unable to sell because of pipeline buying restrictions, during the period from May 1, 1957, to the present.

### Lake Washington Holdings Bring Freeport $100 Million

Oil and gas holdings in Lake Washington field of South Louisiana have been sold by Freeport Sulphur Company for $100 million.

Part of the proceeds will be invested offshore at the $30 million sulphur plant which Freeport Sulphur is building off Grand Isle, La.

Purchaser of Freeport Sulphur's interests in the 58,000 proven acres of reserves was Magnolia Petroleum Company, Dallas, an affiliate of Socony Mobil Oil Company. Magnolia made the best offer among bidders for the properties, paying in cash.

Retaining its share of the properties is John W. Mecom, Houston independent, who discovered the field jointly with Freeport Sulphur six years ago.

From the 90 oil wells and six gas wells in the field, Magnolia acquires 35 percent of the field's daily allowable, or a share amounting to 3900 barrels. Total production under present allowables is 13,500 barrels. There are 25 separate reservoirs.

Six shut-in gas wells may eventually afford 15 million cubic ft. of gas per day in addition. In the Lake Washington field, where drilling is done from barges, a number of new wells are in the process of drilling.

Freeport will probably wind up paying the government more than $26 million from proceeds of the sale which it expects to close out by October.

### Now Salvaged, $3.5 Million Mr. Gus I to Drill Again

A $3.5 million platform which turned topsy turvy in the Gulf of Mexico last year is nearly ready to drill again.

C. G. Glasscock Drilling Company, has salvaged the hull and much of the drilling equipment of **Mr. Gus I,** and has it ready to drill whenever it is needed.

Renamed **C.G.G. Barge No. 15** by its owner, the platform will probably be used either for inshore and bay drilling or in conjunction with a tender in Venezuela.

### Meteorologist Completes Study of Gulf Storms

A study to help offshore operators reduce losses has been conducted by A. H. Glenn and Associates.

Glenn, a meterological consultant for Charles D. Wood Company, New Orleans, says results of the study determine the safe height above mean low water depth for setting up an offshore platform.

Also included in estimates derived from the study are frequency figures for Gulf storms with speeds of 20 mph up to 125 mph.

FIGURE 300
O-Ring seal, ¼" through 12", to 10,000 psi working pressure.

FIGURE 303
Mis-aligning; O-Ring seal, 1" through 6", to 5000 psi working pressure.

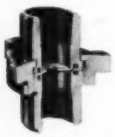


FIGURE 400
Choke union; O-Ring seal, ½" through 4", to 3000 psi working pressure.

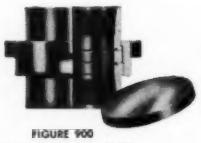


FIGURE 900
Line blind; O-Ring seal, 1" through 12", 2000 psi working pressure.

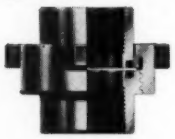


FIGURE 110
Insulated; O-Ring seal, ⅛" through 6", to 3000 psi working pressure.

FIGURE 800
Heavy duty, metal-to-metal seal, ⅛" through 8", to 10,000 psi working pressure.

FIGURE 800-B
Heavy duty, O-Ring and metal-to-metal seal, 1¼" through 12", to 10,000 psi working pressure.

***"Compared to the complete rig, a union is a mighty small item. But man, the trouble and time they can cost you if they don't do the job they're supposed to do, when they're supposed to do it.***

***"We used to lose a lot of time because of unions, and it was especially bad when we had a special job like cementing or acidizing. But that's all in the past since my pushers equipped their rigs with these unions. They just don't do nothing but hold.***

***"And while I'm on the subject, I sure do like to see those cementing and acidizing trucks fitted out with these unions. They make up so fast and easy, and I know they're not going to start leaking when the pressure's on."***

**Distributed through all supply stores. For complete information, write for our catalog and price list.**

MANUFACTURED BY
YALE MACHINE WORKS
BOX 10117 • HOUSTON, TEXAS

DISTRIBUTED BY
YALE SALES COMPANY
BOX 10192 • HOUSTON, TEXAS

### Lay Barge and Quarter Boat Will Lay 38-Mi. Marine Line

A lay barge and quarter boat will be used to lay 38 miles of 30-in. line from the coast of Louisiana to an onshore point southeast of New Orleans.

Part of a major summer pipeline project by Tennessee Gas Transmission Company, this underwater section will be handled by Houston Contracting Company.

## Nigeria

### New Drilling Barge Working On Niger Delta Swamp Lease

Offshore drilling operations may be on the rise for the swampy Niger River Delta off the coast of Nigeria.

A new £4 million drilling barge was scheduled to go to work last month for Shell-BP Development Company of Nigeria which has carried on an exploration program in Nigeria for several years. In the past four years more than $80 million has been invested for oil development, but only recently have results begun to show up plainly.

Shell-BP has also been operating a 158-ft. by 80-ft. drilling tender in conjunction with a platform rig in the New Calabar River estuary about 20 mi. south of Port Harcourt.

Nigeria's second offshore field has been discovered at Soku approximately 30 mi. west of Port Harcourt. The 10,000-ft. venture was drilled from an artificial island constructed by Shell-BP.

## Ohio

### New Field Near Lake Erie Increases Offshore Hopes

A recently discovered field in northeastern Ohio about ten miles from Lake Erie will be developed by Phillips Petroleum Company.

The 73,260-acre block which Phillips leased from John A. McGuire, Erie, Pa., is in the Benedum Trees field which was opened by a discovery in the lower Silurian zone flowing 151 barrels per day. Phillips paid $146,520 for its lease.

Offshore in Lake Erie on a 19,310-acre tract on the Ohio-Pennsylvania border, the first wildcat on the American side of the lake recently passed the 1500-ft. mark.

New York State Natural Gas Corporation, Pittsburgh, is drilling the 5780-ft. well to test the Oriskany, Lockport, Medina, Trenton, and Gatesburg formations.

With discovery of the Benedum Trees field onshore, there is hope that the Silurian belt may prove productive in Lake Erie.

## Persian Gulf

### Abu Dhabi's Wildcat Yields Oil Shows in New Horizon

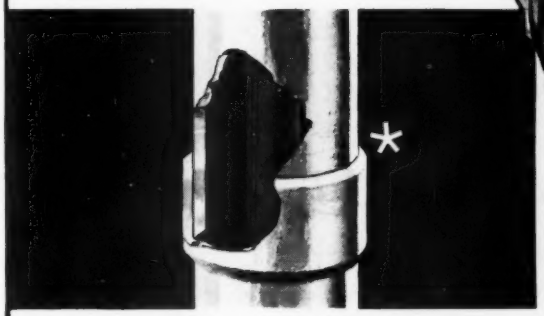
At a new Persian Gulf wildcat 20 mi. off Das Island, Abu Dhabi Marine Areas, Ltd. has encountered oil shows in three zones—one new to the Middle East.

Adma No. 1 Um Shaif, first wildcat on a 12,000-sq. mi. offshore concession, will probably go to 15,000 ft. to test the Permian Zone before it is completed.

Showing production possibilities were the Darb (new zone), the Arab Zone and the Thamama which has proven productive in only one well thus far, the recent Manifa discov-

*(continued on next page)*


the job goes swell when . . . you use KANEWELD BEVELEDGE* CASING



* Both edges of every length of KANEWELD CASING are beveled to assure a weld that is stronger, safer, surer. U. S. Patent No. 1,966,248.

Order KANEWELD Beveledge Casing for your next important job. See the big difference in operations cost and service. When you use KANEWELD Casing you insure efficiency and prevent delays that are costly. When the hole is cased with KANEWELD, the joints are stronger than the pipe itself. YOU CAN BE *SURE* when you case with KANEWELD.

Quick delivery by truck, rail, ship or barge, to any major oilfield, inland, offshore or foreign . . . from Galveston, "Port of Quickest Dispatch."

WRITE, WIRE OR PHONE FOR PRICES AND INFORMATION.

Kane-Weld

KANE BOILER WORKS, INC.
Manufacturers of quality pipe for every purpose . . . . . .
P.O. Box 546, Galveston, Tex.
phone SO 3-2401 • Houston, dial CA 2-7759

News . . .

*(continued from preceding page)*

ery made by Arabian American Oil Company.

In addition, drill stem tests of the Adma No. 1 gauged a daily flow of gas equal to more than 12 million cubic ft. daily, plus condensate.

## Queensland

### Canadian Operator to Drill Test Off Queensland

A proposed 6000-ft. wildcat well will be drilled on the Barrier Reef off the coast of Queensland.

A Canadian operator, Humber Oils Ltd., owns exploration rights on the concession where the test is to be drilled.

## Russia

### Extensive Drilling Program To Be Launched in Caspian

A huge offshore drilling project is slated for eastern waters of the Caspian Sea near the highly productive Cheleken Peninsula field.

Initial ventures will be turbo-drilled directionally beneath the Caspian. In the meantime, the Russians plan to begin constructing a series of connected offshore platforms for overwater drilling operations.

## Texas

### Houston Company Purchases Controlling Interest in Talon

Controlling interest in Talon Petroleum, C. A., one of the smaller but most aggressive Lake Maracaibo operators, has been purchased by Hoard Exploration Company of Houston.

In return for 51 percent interest Hoard gave up proven reserves in the Southwest and Canada, plus some cash. According to Hoard, operations and personnel of Talon are being cut back.

Talon's present production is 1600 barrels per day, whereas the 1956 peak was 2500 barrels.

Earlier the Venezuelan government had rejected Talon's plea for additional concessions or purchase of a controlling interest by Venezuela, making it a government owned oil company.

## Virginia

### 29 Oil Companies Ask For Change of Venue To Tulsa

A motion to transfer the federal government's price fix case against 29 oil companies to Tulsa will be argued September 10.

That is the date set by Federal Judge Albert V. Bryan of the Alexandria District Court where the accused companies were charged recently.

Since the Justice Department's case depends to a great extent upon documents it now possesses, it is expected to wage a full-scale battle against change in the venue.

Perhaps it already has the upper hand herein, due to the fact that Judge Bryan is a member of a judicial panel which has been studying means of speeding up court cases.

He stated when the motion was submitted recently that he wanted to bring this case to a decision in as short a time as possible.


# *Otis—"First in Pressure Control"*

### *Otis Sub-Surface Controls*

Permanent Completion Tools, Services, and Equipment
"Selective" Landing Nipples and Locking Assemblies • Landing Nipple Packers
Gas Lift Equipment and Service • Surface Safety Valves • Drill Pipe Plugs and Nipples
Bottom Hole Chokes, Regulators, Chemical Injection Tools, Dual-Completion Chokes, Tubing Safety Valves ("Storm Chokes"), Otis Running and Pulling Tools, Prongs, and Wire Line Equipment
Cross-Over Nipples and Chokes and Removable Side-Door Chokes and Separation Tools for Two-Zone Wells

### *Otis Wire Line Services*

Tubing and Casing Corrosion Surveys
Permanent Completion Services and Equipment
Otis Patented "Dry Ice" Process for Emergency Repairs
Experienced Specialists in All Types of Pressure Control Work
Complete Installation and Service of Otis Sub-Surface Controls
Drilling Gate Valves, Plug Valves, etc., Under Pressure • Wire Line Fishing
Wire Line Perforating and Cutting Off Tubing Under Pressure • Locating Tubing Leaks
Snubbing and Pulling Tubing and Drill Pipe Under Pressure • Bailing in Tubing and Drill Pipe

*24-Hour Service • Radio Dispatched Crews • Marine Operations a Specialty*

**Otis Engineering Corporation** General Offices: 6612 Denton Drive, Dallas, Texas

**Call Otis** Corpus Christi • Houma • Houston • Lake Charles
Belle Chasse • New Iberia • New Orleans • Shreveport

PRESSURE CONTROL OTIS SERVICE - EQUIPMENT

# INDUSTRY ITEMS . . . . . In the News

McAfee

Adams

## Western Operations, Inc. Appoints 2 New Managers

W. A. McAfee has been appointed general sales manager (wholesale) for Standard Oil Company of California, Western Operations, Inc.

Announcement of his appointment came almost simultaneously with that of Edward E. Adams to manager, personnel and labor relations, producing department.

McAfee, previously assistant general sales manager, will be succeeded by L. W. Aubry, formerly manager of the motor fuels division.

Adams, who has been with Standard's producing department since 1938, moves up from the position of superintendent, Kerto-Cymric district near Taft, Calif.

He succeeds Edwin J. Ball, who retired recently after more than 38 years service with the company.

## The British Petroleum Co. Names New Board Member

The British Petroleum Company has named A. E. C. Drake, C. B. E., to the board of directors.

He fills a vacancy created by the retirement of Robert Gillespie, C. B. E., who, however, will remain on the boards of two BP subsidiaries.

BP Trading Limited, BP's principal trading subsidiary, has elected W. D. Brown to director to fill another vacancy caused by the retirement of Gillespie. The new director had been general manager, trade division.

## D & D Club of Long Beach Visits Ethyl Laboratories

A highlight of recent activities by the Long Beach Calif., Desk & Derrick Club was a field trip to the laboratories of Ethyl Corporation at at San Bernadino.

Approximately 60 members left Long Beach by chartered bus and upon arrival were guests of the Ethyl Corporation at a buffet dinner before touring the laboratories.

## Pan American International Names Walker as Manager

Wayne H. Walker has been named manager, administrative for Pan American International Oil Company, new Eastern Hemisphere subsidiary of Pan American Petroleum Corporation, Tulsa.

Walker, who has also been elected a director of the company, has served Pan American Petroleum at Tulsa as a procedure supervisor since 1952.

He will have general supervision over staff activities, including purchasing, industrial and public relations, accounting, and other related areas.

A graduate of Oklahoma State University with a B.S. degree in general business, Walker joined Pan American Petroleum in producing field operations in 1937.

## Sinclair Oil & Gas Appoints Palmer to 2 Top Positions

A double promotion has placed T. F. Palmer as vice president of Sinclair Oil & Gas Company and moved him up to manager of the firm's Houston division.

Palmer

Replacing Palmer as assistant division manager at Houston, is R. M. Kobdish, former assistant manager of the Tulsa division.

G. D. Almen, Jr., who was the previous vice president at Houston, has moved to Midland as division manager of that district.

## Pirsig And Manes Receive New Positions With Shell

G. F. Pirsig, formerly marine geophysicist of the Exploration Marine Group for Shell Oil Company in the New Orleans area, replaces O. B. Manes as area geophysicist in Houston Area Exploration. Manes will assume a new full-time position on Shell's area exploration staff.

C. V. Cameron has been named chief exploitation engineer for the Houston area, G. G. Burpee, area production manager, announced. Cameron replaces H. J. W. Burpee, who leaves for a foreign assignment.

Pirsig received his bachelor of physics and master of science degree from the University of Minnesota. His first job with Shell was in 1949 as a computer in the Houston Area Exploration.

Later the same year he was made junior geophysicist on Pary 129, and in 1950 he was transferred to the New Orleans Area where he has worked as seismologist on Party 45, as party chief of Party 31, and geophysicist. He was assigned marine geophysicist in 1954.

## Corrosion Engineers Name Hull to Executive Secretary

T. J. Hull, former assistant executive secretary of the National Association of Corrosion Engineers, has been named executive secretary.

R. W. Huff, Jr., who had been in charge of conferences and exhibits for NACE, is the new assistant executive secretary.

The promotions followed the retirement of A. B. Campbell, executive secretary since 1946.

## Kerr-McGee Creates New Foreign Exploration Division

Kerr-McGee Oil Industries has established a new division and relocated two of its existing departments.

A newly-created foreign exploration division is headed by J. C. Finley, vice president.

Another promotion places John Masters as chief geologist, and L. W. Curtis becomes assistant chief geologist.

The company has transferred its crude oil purchases and sales department and the pipeline operations department from Tulsa to Oklahoma City.

In the new expanded company building there, all central offices will be under one roof.

## New Rimrock International Names White as President

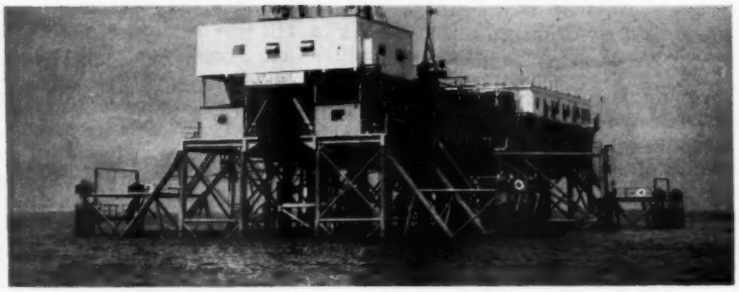
W. O. White, former vice president of Rimrock Tidelands, Inc., has been elected president and director of newly established Rimrock International Company (Rimco).

The new company was organized to engage in worldwide contract drilling and exploration. It has acquired or agreed to acquire drilling and operating rights on 8,655,715 acres in France, Switzerland, Paraguay, Sicily, Tunisia and Turkey.

Another acquisition is a produc-

*(continued on next page)*

**Housekeepers Aboard the JOHN HAYWARD**



We at Foods and Services, Inc., are proud to have been selected to handle the feeding and housekeeping for the men who work aboard the ST. LOUIS of the Ocean Drilling and Exploration Company. Like these men, we are specialists in our own field—that of caterers and purchasing agents to oil companies and drilling contractors operating offshore.

***Consult us first . . .***
**LET YOUR OFFSHORE HOUSEKEEPING PROBLEM BE OUR PROBLEM—**

*Foods and Services, inc.*

OFFSHORE FEEDING ★ HOUSEKEEPING ★ PURCHASING AGENTS
P. O. Box 763 HOUMA, LA. Phone UPtown 2-3355

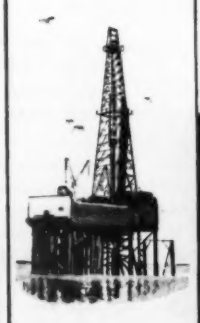
*24 HOURS MARINE SERVICE*
*TO ALL SHIPS, TUGS AND OIL RIGS*

MICHELETTI BROS.
Cameron, Louisiana

**Provisions • Supplies • Machinery Spare Parts**
**Ropes • Paints**

Galveston, Texas
1020 - 10th Street
Phone 3-1045

Cameron, Louisiana
P. O. Box 253
Phone PR 5-2385



MARINE INSURANCE SPECIALISTS
Casualty-Bonds-Fire

JOHN L. WORTHAM & SON
Established 1915
The South's Leading Insurance Agency
Rusk Building Houston, Texas

## Industry Items . . .

*(continued from preceding page)*

ing gas property in South Louisiana.

Also obtained are four drilling rigs in the Gulf Coast area and one drilling rig in the European-Mediterranean area.

Chairman of the board of directors is H. L. Rowley, and vice president of exploration is Geo. S. Buchanan, also a board member.

General offices are in Shreveport, La., with executive and foreign exploration offices located in New York, N. Y.

Foreign subsidiaries include Mofag Oil Exploration Co., Ltd., Switzerland, and Societa Oli Minerali, Sicily.

### Texas Company Announces Three Gulf Coast Changes

The Texas Company has transferred S. T. McCardell, assistant division manager of the Louisiana division, from New Orleans to Houston where he will serve as assistant general manager of the domestic producing department.

Shea

Replacing McCardell at New Orleans is J. L. Shea, Jr., former superintendent of drilling and production for the Louisiana division.

Another new assistant general manager for the department at Houston is J. H. Markley, Jr., who was previously employed as assistant division manager of the West Texas division.

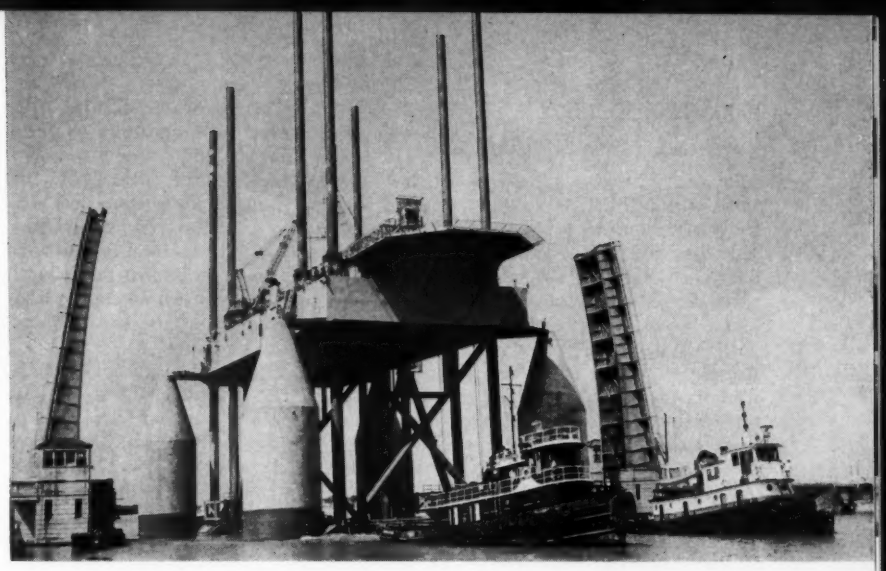
### Shell Names Dahl Manager For New Louisiana Division

Recent personnel changes by Shell Oil Company in its New Orleans exploration and production area includes the appointment of A. C. Dahl to production manager of a new Lafayette production division.

Shell's Lake Charles and Franklin production divisions are being combined into one headquarters with offices in the Oil Center at Lafayette. The new division is expected to be functioning by September 1.

Another change sends A. T. Eyler, Jr., division production manager of the Delta division, to New Orleans as chief exploitation engineer.

Also, F. D. Leigh, senior mechanical engineer in the head office, has been named division production superintendent of the marine production division in New Orleans.



Penrod's RIG 50 makes an impressive sight as it goes down the Sabine-Neches channel to the Gulf with 70-ft. bottle buoyancy caissons at each corner and eight 200-ft. piles extended.

**Levingston Delivers . . .**

# Penrod Rig 50

**Unique Lift Slab construction method used to raise loaded machinery platform to position 68 ft. above submersible hull**

DEEP-RED mooring spuds, raised 200 ft. above the water, and huge bottle buoyancy caissons provided a sight that caused even old-timers along the Sabine-Neches channel to look high and long recently.

A new offshore drilling platform, **Penrod Rig 50,** owned by Hunt Oil Company and operated by Penrod Drilling Company, was being towed down the channel to sea. The unit, built by Levingston Shipbuilding Company of Orange, Texas, consists of a submersible foundation barge and a machinery platform supported at a fixed clear height of 76 ft. above the foundation hull.

Machinery platform is supported by 13 columns. Spud piles are driven through eight of these columns to serve as guides during submerging and raising operations, and to prevent translatory movement of the vessel during drilling operations.

A novel construction feature of **Rig 50** is the fact that the entire machinery platform was fabricated and practically all machinery and equipment installed while the platform rested directly on top of the foundation barge. The machinery platform was then raised to its permanent fixed position through the patented Lift Slab method by Gulf Coast Lift Slab, Inc. of Houston.

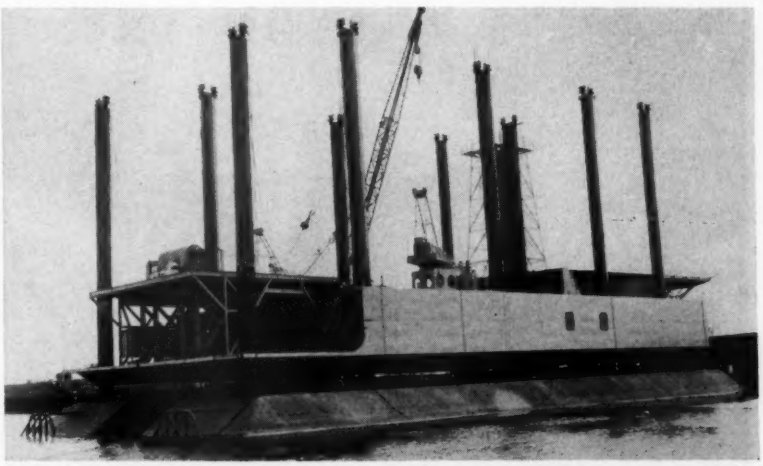
In towing condition, **Rig 50** would tip a giant's scale at 4478 long tons. The vessel is designed to drill past 20,000 ft., operating in water depths to 44 ft. and to withstand hurricane forces of 25-year frequency.

**Jacking system . . .** Individual 300 ton capacity hydraulic jacks are provided for driving and retracting the eight spud piles. Six piles are 210 ft. long, and two are 200 ft. long. The piles, all 44 in. in outside diameter with a one inch wall thickness, are housed in 48 in. columns fabricated of the same one inch steel plates.

**Ballast system . . .** Four bottle buoyancy caissons installed at corners of the foundation barge and extending to the lower deck of the machinery platform are integrated with their adjacent hull ballast tanks and are therefore activated simultaneously with the respective hull tanks in the submergence-flotation series pattern.

Lower, cylindrical sections of the

*(continued on next page)*



After construction and primary equipment installation, RIG 50's upper deck was raised 68 ft. to fixed elevation by Gulf Coast Lift Slab, Inc. of Houston through a method developed originally for lifting building floor slabs.

**Penrod Rig 50 . . .**

*(continued from preceding page)*

buoyancy caissons are 26 ft. in diameter and 50 ft. in height, topped by 30-ft. conical sections.

**Lower hull . . .** The foundation barge of **Rig 50,** sloped to lessen wave forces and scouring, is 196-ft. long, 108-ft. wide and 12-ft. deep, with a 24-ft. by 43-ft. drilling slot. An anti-scouring skirt also was installed on the perimeter of the foundation barge for added protection against scouring, and to provide further resistance to translatory movement during drilling operations.

Foundation barge is designed for submergence in water depths up to 44 ft. This hull contains a pump room, four drilling water tanks with a total capacity of 7460 bbls., two fuel oil tanks totaling 1600 bbls. and two tanks carrying 500 bbls. of potable water. The remaining hull area is divided into 18 ballast tanks, with remote valve control from the control room on the machinery platform.

**Rig 50's** battery of pumps includes two Gould's 60-hp ballast pumps, with a rated capacity of 4000 gpm; two 40-hp sea water cooling service pumps with 1000 gpm capacities; two 30-hp drilling water pumps with 350 gpm capacities; two 40-hp fire pumps capable of delivering 350 gpm under a 260-ft. head; and two 3-hp fuel oil transfer pumps rated at 35 gpm.

In addition to vertical ladders installed in two access columns from the foundation barge to the machinery platform, a 1500 lb. capacity personnel elevator is provided for movement between foundation barge and machinery platform.

**Drilling platform . . .** Machinery platform is 182-ft. long, 80-ft. wide and 14-ft. deep. The platform includes a lower deck, housing machinery and quarters. Pipe racks, derrick floor, control room and additional quarters are on the upper deck. A helicopter deck with landing area approximately 56-ft. by 64-ft. is also provided.

**Drilling equipment . . .** Drilling equipment includes a 142-ft. Lee C. Moore cantilever mast with a 25-ft. base. Drawworks is a 1250-hp Continental-Emsco Model EDES, with a Continental-Emsco 650-hp, 27½ in. rotary table.

**Mud system . . .** Two of the three Gardner-Denver mud pumps are 1250-hp, 7¾-in. by 18-in. pumps, while the third is a 625-hp, 7¼-in. by 14-in. pump.

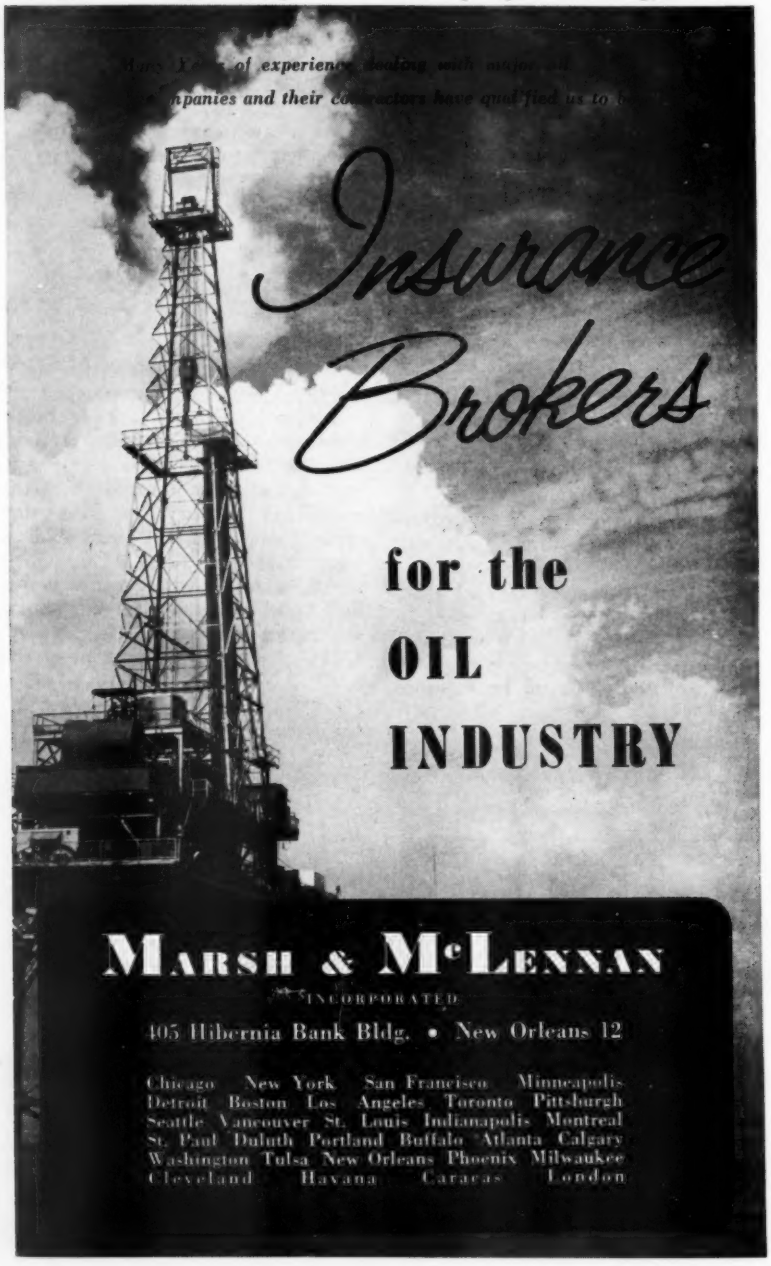
A Rumba 4860-DU shale shaker and Dorrco size 6 desander are included in the system. A degassing unit also is installed in the mud return system.

Bulk mud storage capacity is 2645 cubic ft. and bulk cement storage is 1475 cubic ft. Capacity of active mud pits totals 1100 bbls.

**Auxiliary equipment . . .** Additional equipment of note aboard **Rig 50** includes two, 300 gph Meco water distillation units and three Gardner-Denver Model ADRA-1000 air compressors. Two Unit Mariner cranes with 70-ft. booms, are mounted on the machinery platform.

**Anchoring system . . .** Four 5000 lb. Danforth anchors are connected by 1200 ft. of 1½ in. wire rope line to 50 hp Markey winches, allowing the platform to position itself on location.

**Crew quarters . . .** The vessel's quarters, air-conditioned throughout, include bunks for 42 men, change rooms, lounge and recreation area, with television receivers in the lounge and in the tool pusher's quarters. Galley and laundry equipment are completely modern.


Insurance Brokers
for the
OIL
INDUSTRY
MARSH & McLENNAN
INCORPORATED
405 Hibernia Bank Bldg. • New Orleans 12
Chicago New York San Francisco Minneapolis
Detroit Boston Los Angeles Toronto Pittsburgh
Seattle Vancouver St. Louis Indianapolis Montreal
St. Paul Duluth Portland Buffalo Atlanta Calgary
Washington Tulsa New Orleans Phoenix Milwaukee
Cleveland Havana Caracas London

This big Y-shaped steel island will contain one of the largest sulphur mining operations in the world and the first such offshore operation. When completed the $30 million structure will be nearly a mile long containing a heating plant, a quarters platform and two drilling-producing platforms.

**Freeport builds . . .**

# First Offshore Sulphur Mine

**World's largest steel island will be used to extract sulphur from one of the top five sulphur formations**

ERECTION of the world's first offshore sulphur plant, which will be mounted on the world's largest steel island, began recently seven miles offshore from Grand Isle, Louisiana.

The big Y-shaped structure, nearly a mile long and rising 60-ft. above the water, is the principal part of a $30 million Freeport Sulphur Company sulphur mine. Freeport recently sold their interest in the Lake Washington oil and gas field in Plaquemines Parish, Louisiana, for $100 million, in order to provide capital for expansion of their sulphur mining activities, especially in the Grand Isle Area.

This sulphur, among the top five deposits in the world, is located 2000 ft. below the Gulf floor in 50 ft. of water.

Discovered by Humble Oil & Refining Company last year, the deposits cover several hundred acres in Blocks 16, 18, and 30 of the Grand Isle Area.

When completed, this plant will be one of the largest sulphur mining operations in the world.

**Construction method . . .** The immense template which serves as the foundation of the drilling producing platform measures 200-ft. by 106-ft. by 68-ft. high.

Built in one 24-leg unit at the Bayou Boeuf yards of McDermott Fabricators near Morgan City, Louisiana, it weighs 437 tons.

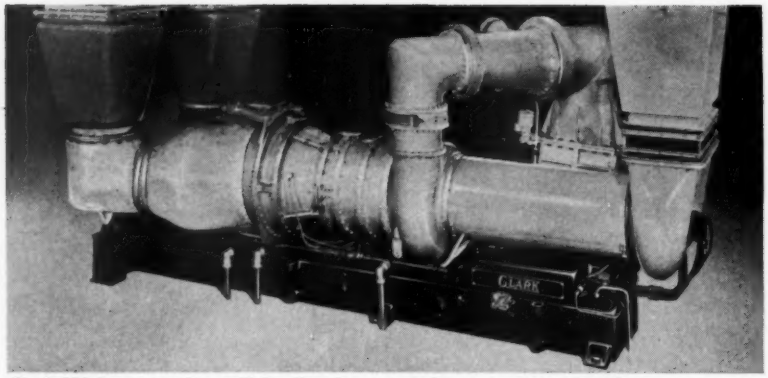
During erection template will be positioned on the floor of the Gulf and steel pilings 237 ft. long and 30-in. in diameter will be driven through its hollow legs.

Template and piling will be welded together at the top and cement will be pumped into the space between the piling and the 34-in. template legs. The piling will then support the weight of the template and the platform.

**Plant operations . . .** Five large

*(continued on next page)*

Positioning of the first template was handled by a 250-ton barge mounted crane. The 120-ton template was positioned at the direction of surveyors stationed at three oil-producing platforms nearby. Final sightings proved the position correct within three inches.




Clark 800 kw gas turbine will be directly connected to a generator furnishing power to run the machinery at the heating plant. Turbine's waste exhaust gas will help heat 5 million gallons of water daily.


Which lantern do you need?

200 mm

150 mm

Either W & T Lantern will cost you less than any other make.

Wallace & Tiernan Lanterns cost less than any other because:

**They are reliable;** that means no costly service trips to offshore locations. Frequently a single outage costs more than did the original lantern.

**They consume the least power;** no other electric lantern costs so little to operate. On the Gulf Coast a year's power for a W & T flasher mechanism costs only $1.53, as compared to $36.55 for a competitive flasher.

It's no wonder that the experienced Marine Superintendent selects Wallace & Tiernan precision-built Aids to Navigation. When he adds up *all* the charges, he knows that W & T Lanterns cost him the least.

*See any of our Gulf Coast Representatives*

The Cortney Company, New Orleans, La. — The Light House, Inc., Houston, Texas—Harvey, La. — Byrne & Rice Supply Co., New Orleans, La.

*Or write for bulletin A-119, a detailed analysis of the economic aspects of Marine Lanterns as Offshore Aids To Navigation.*

WALLACE & TIERNAN INCORPORATED

25 MAIN STREET, BELLEVILLE 9, NEW JERSEY


## Freeport Sulphur . . .

*(continued from preceding page)*

and ten smaller steel towers connected by 200-ft. bridge spans will form the island. They will support the complex and heavy facilities required by the Frasch process.

In the Frasch mining process, sulphur is melted in the underground formation by superheated water and brought to the surface in molten form.

The connecting bridge spans will carry the sulphur, steam, water, air and gas piping and electrical lines, as well as provide easy access to most points via a roadway for vehicles along the top.

**Heating plant . . .** Largest of the installations will be the heating plant, shops and warehouse unit. The plant will use 13 million cubic feet of gas to heat 5 million gallons of seawater a day to 325 degrees Fahrenheit for injection into the underground formation through the wells. It will also compress large volumes of air used to air-lift the liquid sulphur to the surface, and produce electric power to operate drilling rigs and other equipment.

Three Clark Bros. Company compressors and a Clark gas turbine will be used to supply this air, power and hot water.

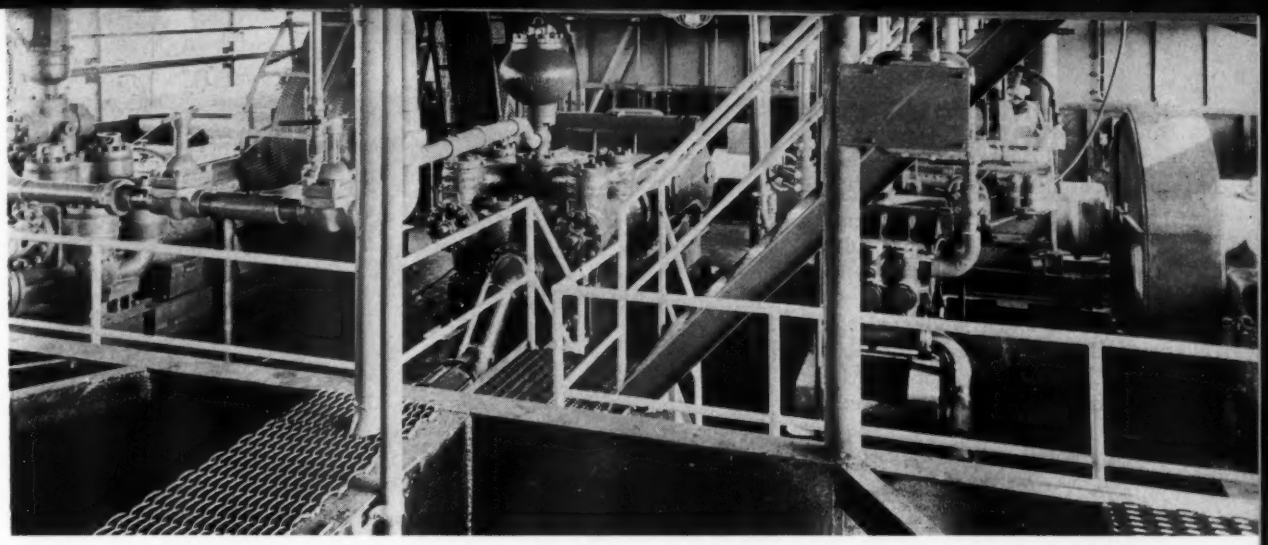
**Quarters . . .** Living quarters for 150 employees will be provided in a two-story, steel building consisting of 60 bedrooms, a recreation room, kitchen, cafeteria, first-aid room and offices.

Schedule for personnel will be five days on and five days off. They will be transported back and forth to shore by helicopters.

**Drilling platforms . . .** Each of the two drilling-producing platforms will have two decks, a top deck 75 ft. above water and a lower deck 60 ft. above water. In addition to the derricks each of which will drill several directional wells, facilities will be installed to collect and measure the sulphur as it is mined.

**Transportation . . .** Original plans called for the liquid sulphur to be carried in "thermos bottle" barges to Port Sulphur, the company's storage and shipping headquarters. But there is a possibility that the hot brimstone will be transported to Grand Isle through a heated pipeline laid beneath the floor of the Gulf, then by heated barges to Port Sulphur.

Grand Isle operations will use a patented process, developed by Freeport, which makes it possible to heat the required quantities of sea water with a minimum of corrosion and scaling.



Special feature of Workover, Inc.'s new 165-ft. drill barge is the Gardner-Denver PA-8 Triplex Plunger pump (at right), installed primarily to kill wells in case of blowouts. Main mud pump (center) is a Gardner-Denver 625 hp pump, and standby pump (at the left) is a Wilson-Snyder model 18-P mud pump.

**Safety marks . . .**

# New Shallow-Water Barge For Workover, Inc.

### Extra pump especially for killing wells gives new drill barge RUSSEL B. added blowout prevention feature

AN UNUSUAL shallow-water drill barge, the **Russel B.**, designed and built for Workover, Inc. of Houston, Texas, is now drilling for Gulf Oil Corporation in the Black Bay area of Plaquemines Parish, Louisiana.

Outstanding feature of the 165-ft. by 46-ft. barge is a PA-8 Gardner-Denver pump installed primarily to kill wells in case a blowout occurs while the well is being worked over. The incorporation of this pump into the equipment on the barge places this rig in a category of its own, a barge capable of working over any well in the South Louisiana area.

With this pump aboard and with the proper blowout preventers available, the danger of a blowout is almost nil.

The engine powering the PA-8 is rated at 290 hp continuous at 1200 rpm, and is equipped with a Fawick power take-off at each end of the crankshaft. Full engine hp is available either to the PA-8 from the rear or to a 7-in. by 14-in. mud mixing pump from the front of the engine.

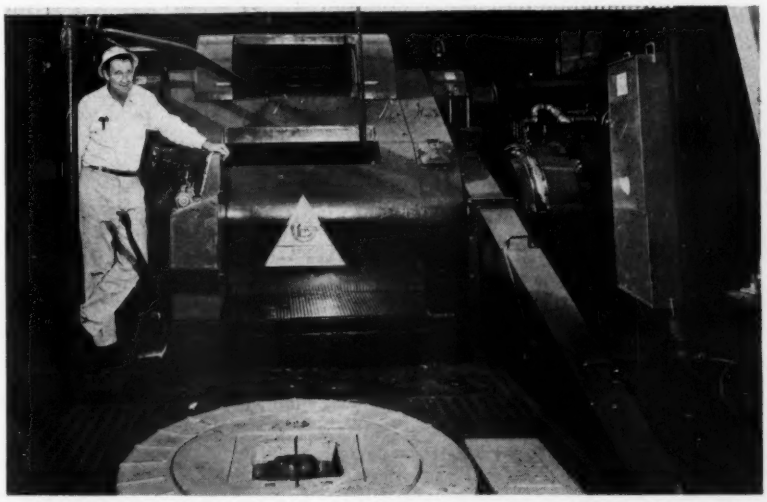
**Mud system . . .** Two mud pumps are also located in the pump room. The main pump is a 625 hp model GR-GXP Gardner-Denver and the standby is a Wilson-Snyder 18-P mud pump. Both mud pumps are driven through v-belts from the compound transmission on the power deck. There is also a well designed mud manifold system which provides the transfer of mud from two mud tanks to the standpipe in the mast. Mounted on the mud tanks are two electric driven 15 hp Mixco mud mixers.

Raising and lowering of the drilling barge is also accomplished with the mud pumps. Suction ends of the two line pumps connect to the ballast tanks in the hull of the barge.

In the rear of the pump room are two large Mission centrifugal pumps for fluid transfer. Alongside these is a water pump circulating the potable water throughout the drilling barge.

**Rig power . . .** The deck above

*(continued on next page)*



Drawworks aboard this new shallow-water drill barge is a Continental-Emsco GC-500 with 42-in. brake rims, and a built-in sandreel. The unit is also equipped with a 20½-in. Continental-Emsco rotary table.

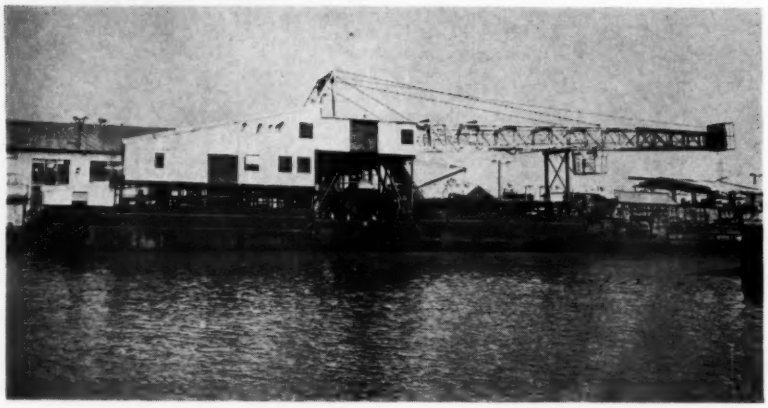
## Workover, Inc. . . .

*(continued from preceding page)*

the pump room is the power deck. Located here is a Continental-Emsco GC-53 H compounding transmission powered by three diesels. This compound is fitted with two side-mounted pedestal-type pump drives with Fawick clutches. The 625 hp main pump is driven from the drive opposite the middle engine and the standby pump is driven from the drive opposite the rear engine.

The three diesel engines are set to deliver a total of 870 hp at 1200 rpm, more than ample for the two line pumps below. Also located on the power deck is an auxiliary ADRA air compressor driven by a Waukesha engine. Two 200 kw-ac power plants are located on the same power deck.

**Drawworks . . .** Up on the drilling deck is a Continental-Emsco GC-500 drawworks. Power is transmitted from compound to drawworks by chain drives with a countershaft located about midway to provide workable center distances. Outstanding feature of this drawworks is the 42-in. brake rims, which have a 350 degree contact with the brake lining. Drawworks is equipped with a 40-in. Parkersburg hydromatic brake and Continental-Emsco type "C" clutches.



**Drill barge RUSSEL B. has an 830,000-lb. capacity Continental-Emsco mast designed for front leg pivot. The unit is now drilling for Gulf Oil in southeast Black Bay.**

Another main feature of the drawworks is a built-in sandreel assembly which is powered from the jackshaft. Air operated Continental-Emsco GB catheads are also used.

A Continental-Emsco JACS 20½-in. rotary table is located in an oil bath enclosed rotary guard. Back of the driller is a Payne Manufacturing Company blowout unit, allowing the control of three blowout preventers. A remote control unit is located down on the power deck, in case the one on the drilling deck cannot be approached.

**Mast . . .** Drilling mast is a Continental-Emsco B-134 portable mast designed for front leg pivot for barge applications. It has a nominal gross capacity of 830,000 lbs. A twelve-line string increases the amount of weight that can be handled by the mast and also gives better control of heavy casing strings.


Consmar Corp.
New Orleans

Serving the OFFSHORE OIL INDUSTRY

ALL TYPES OF WORK BOATS AVAILABLE ON A COMPLETE RENTAL & OPERATIONAL SERVICE.

*Write, Wire or Phone*

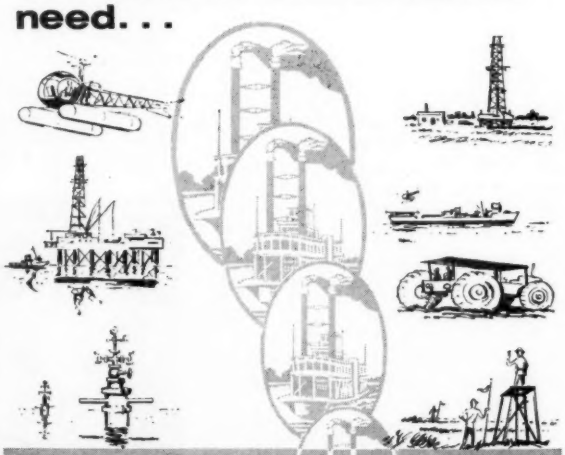
Consmar Corp.
New Orleans

609 Natl. Bank of Commerce Bldg.

MA 1596



For EVERY oil insurance need. . .



HARDIN AND FERGUSON
INCORPORATED

INSURANCE
Brokers • Adjusters • Agents

339 Carondelet St.
New Orleans 12, La.
TUlane 4401

"NEW ORLEANS' OLDEST INSURANCE FIRM"

**Basics of Offshore . . .**

# Corrosion Control by Painting

By R. M. IVES, JR.
Senior Technical Service Engineer
Humble Oil & Refining Company

SALT, sea and spray annually cost offshore operators millions of dollars in corrosion damage. Protective coatings can greatly reduce this needless loss, but every painting job requires pre-planning and constant and conscientious supervision.

Each step in the painting of offshore structures is vitally important if complete protection from corrosion is to be achieved. From initial preparation of new metal to final inspection of the coated surface, a single oversight can result in damage that is costly to the owner.

Use of high quality protective coatings, and frequent inspections during all phases of the painting operation are the surest means of obtaining the best results. Responsibility for these inspections rests primarily with the owner of the equipment or his representative, but a secondary responsibility lies with the manufacturer of the coatings. For this reason, it is wise for the owner to investigate not only the quality of the product to be used, but also the facilities and customer technical service provided by the manufacturer.

**Surface preparation . . .** All surfaces to be painted must be properly prepared before any coating is applied. Brushing, sanding, or scraping by hand are the most common methods but are by no means the best. When surfaces are prepared by hand cleaning, finish coating is limited to certain types of oil and alkyd resin coatings. Cleaning with power tools is more efficient and provides for better adherence. However, care should be taken to avoid polishing or burnishing the metal surface since this reduces the adhesion of the coating. Power tools may also increase the spark hazard. In the vast majority of cases, blast cleaning is the best means of preparing every metal surface. Blast cleaning is favored by coating manufacturers as surface preparation for all types of protective coatings.

**Application . . .** Important factors to be considered in the actual application of coatings are: type and quality of coating to be used; care with which it is applied; and thickness of the film buildup.

Several types of protective coatings have been developed for use on offshore installations. Vinyl coatings were among the first of the maximum-resistance coatings. They provide excellent water resistance and exterior durability. Vinyls are applied in very thin films. A six-coat vinyl system including one high-pigment mastic coat will dry to a film thickness of 14 to 16 mils. This protection is particularly effective for the platform itself including areas in the splash zone.

Epoxy coatings are the newest type of protective coatings for marine use. They provide excellent protection against marine corrosion and average two or three mils per coat. This greater thickness may reduce the number of coats necessary for adequate protection.

Whether protective coatings are applied with brush or spray, it is essential that the work be carefully supervised to avoid "holidays" or pin holes. Such skips in the protective coating are an invitation to corrosion and permit the elements to undermine an otherwise good painting job.

The desired thickness of the protective coating should be determined in advance and checked as each coat is applied. Mastic coatings contain greater amounts of pigment to protect rough edges and are much

*(continued on next page)*

This Humble Oil & Refining Company fixed platform drilling in South Timbalier Area off Louisiana uses an epoxy coating system for corrosion protection.

**When You Need the Best in - - -**

- **Exploration Boats**
- **Production Boats**
- **Crew Boats**

**CONTACT:**

**MARINE SERVICE CO.**

**BOAT RENTALS**

R. L. "Red" Shibley
HOmestead 5-4122

1220 West 18th Street
Houston, Texas
UNderwood 4-1463

J. D. "Johnny" Wiech
HOmestead 5-7618

**STEEL BARGES**

**For CHARTER**

**McDONOUGH MARINE SERVICE**

429 BALTER BLDG. Ph. MA 6824 NEW ORLEANS, LA.

Morgan City, La.
Phone 5082

Harvey, La.
Phone MA 6824

***BERWICK SHIPYARD & DRYDOCK CO., INC.***

**DRY DOCKING AND COMPLETE REPAIRS**

165' Dry Dock Under Construction
Two Marine Railways — Up To 500 Tons

MACHINE AND PROPELLER SERVICE

WELDING
WOODWORKING SHOPS

SAND BLASTING
METALLIZING

PHONES: 2234 — 6289
Berwick, Louisiana

**Corrosion Control . . .**

*(continued from preceding page)*

thicker than the regular coating film. Whether structures require four, five or six coats will depend to a large extent on the type of coating used and the condition and location of the surface to be protected.

**Inspection . . .** A well organized and thorough inspection program should be carried out during all phases of the painting by both the owner and the coating manufacturer. In this way, flaws may be spotted while the painting is being done, and may be remedied immediately. This extra effort will reap rewards in reduced losses from corrosion and costly maintenance.

On offshore installations and equipment, quality means economy. The costs of repainting and corrosion damage are extreme. For these reasons, Humble Oil & Refining Company developed a series of protective coatings which find special application on offshore equipment. These coatings are proving their value.

While the atmosphere of the sea has long been the nemesis of metal structures, offshore installations can be economically protected above the splash-zone level through the use of protective coatings. Quality materials, pre-planning of the painting job and conscientious inspection and supervision of the work can save offshore operators thousands of dollars a year in corrosion prevention.

## Texas Professor's New Book Appraises Oil Conservation

"One must look long to find such a bibliography as is revealed in *Conservation in the Production of Petroleum,*" says Lieutenant General Ernest O. Thompson, petroleum expert and member of the Texas Railroad commission, in a recent review.

Written by Erich W. Zimmermann, professor of economics and of resources at the University of Texas, the new book on petroleum conservation has been published by the Yale University Press.

The volume was sponsored by the Editorial Board of the Petroleum Monograph Series established by a grant from the American Petroleum Institute.

The author has conducted an exhaustive study of the petroleum conservation program in the United States beginning in the 1920's.

Taking conditions as they now stand, he examines their history and appraises their achievements and shortcomings.

**Renewed interest shown in . . .**

# Underwater Oil Storage

**Latest system would utilize collapsible tanks suspended in a crib to cut offshore oil storage costs in half**

A GROUP of oil company representatives met recently in Houston to discuss underwater oil storage. The latest innovation in this field is a portable underwater storage unit consisting of deflatable 50,000 gallon fuel cells suspended in a harness or crib secured to the ocean floor.

The portable underwater storage unit would provide immediate facilities for storing large quantities of oil at a low unit cost per barrel.

This new system, designed by the Hanna Construction Company of Houston, the U. S. Rubber Company, and B. F. Goodrich Company is another step in the continuing effort to lower the cost of offshore operations. The system as outlined could reduce the cost of offshore storage in 45 ft. waters from about $40 per barrel to about $22 a barrel. This system would have practically no water depth limits. Costs would remain the same regardless of the water depth as opposed to platform storage costs which rise sharply with an increase in water depth.

**Unit operation . . .** In operation these fuel cells would be collapsed when empty and filled to the shape of a pillow. A manifold system could be devised to utilize as many 50,000 gallon tanks as needed.

System will be towed to location supported by the buoyancy of its storage cells. After reaching location it will be sunk by deflating the cells. The unit is pinned to the ocean floor with piling anchored to its frame by pile to jacket connectors.

The unit designed to hold the fuel cells consists of a rigid, open truss, steel frame fashioned so that the flexible storage cells will be completely surrounded by a protective grillwork of steel. A header tank, or manifold will be built as an integral component of the steel frame and will serve to connect the storage cells into a common reservoir. From the header, connections will be provided to open into flexible oil risers which extend to the above-water manifold near the well head.

The above-water manifold will be located a few feet above mean water level and will be equipped to receive and distribute the production from the well to the submerged storage unit or unload the storage unit into a barge.

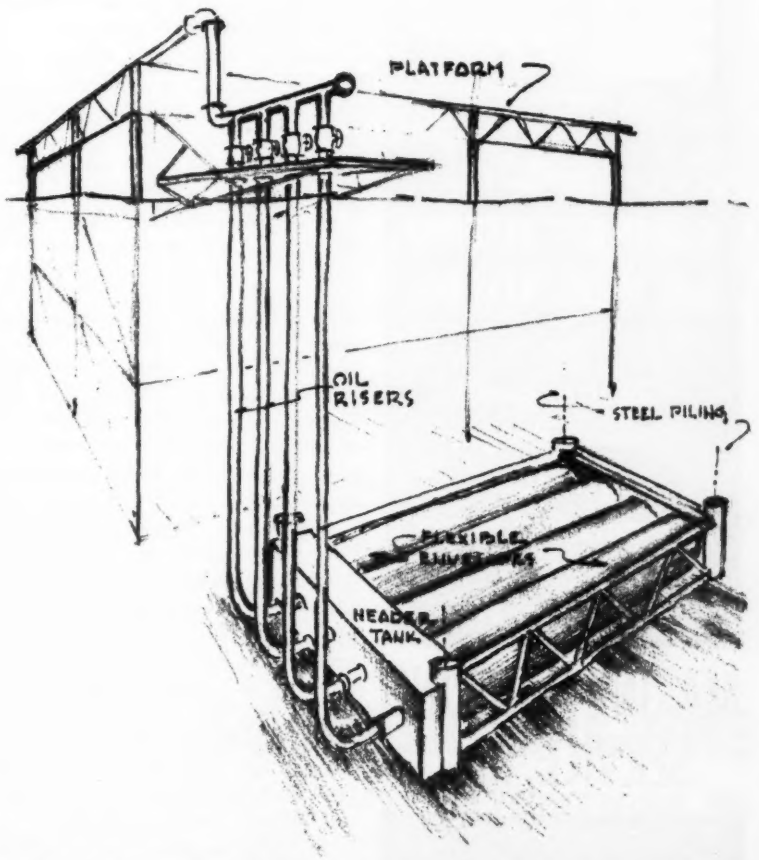
The operation of the unit can be based on hydro-static pressure or pumps may be mounted on the above-water manifold.

**Subsurface stresses . . .** The success of the underwater storage unit described above depends largely on the ability of the storage cells to withstand the forces imposed on them.

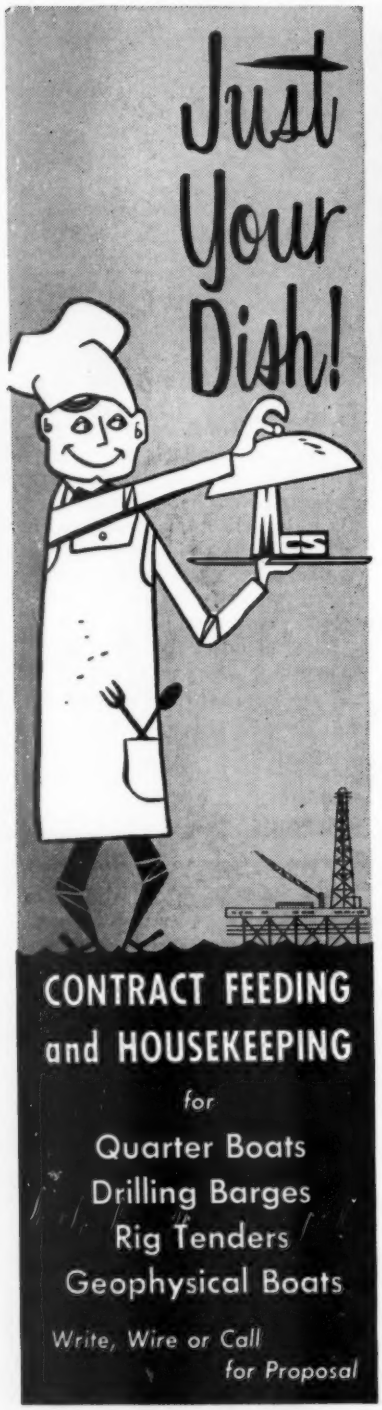
The storage cells must undergo repeated cycles of loading and unloading in which they will be alternately expanded and collapsed. The buoyant forces and current pressures, which will tend to displace the cells in all directions, must be resisted by a system of attachments. The attachments must not interfere with the flexing of the cells.

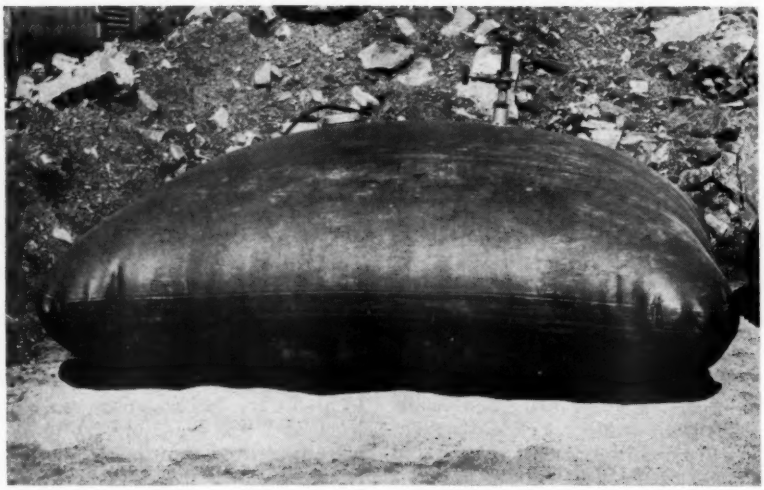
The material used for the construction of the cells will be sub-

*(continued on next page)*




**Underwater storage unit would have several 50,000 gallon collapsible tanks contained in a crib anchored to the Gulf floor. These tanks would be connected to a header and have flexible risers attached to a fixed platform.**



**A U. S. Rubber Company 1000 gallon collapsible fuel cell of the same material, construction and design as the proposed 50,000 gallon tanks to be used for underwater oil storage.**

## Underwater Oil Storage

*(continued from preceding page)*

jected to the constant abrasive action of sand washed against it by currents. The effects of marine growth, both chemical and physical, must be considered also.

**Fuel cell design . . .** After an extensive study of the container problems in the underwater liquid storage system, the U. S. Rubber Company decided on the pillow container design.

A flat envelope with a fill ratio of 2.5 to 1 was chosen for the fuel cells because such an envelope does not contain end caps or panels, and will collapse during the emptying cycle without severe folds that would occur in a cylindrical tank.

It can also be fabricated of flat sheets of pre-processed tank material as a bench assembly without the expense of building forms, mandrels, or molds.

Tanks can be vulcanized as a complete integral unit in available pressure autoclaves except for the installation of fittings. And a tank may be rolled into a comparatively small, compact unit, to facilitate handling and transportation, without severe folds in the cell wall.

For construction material the U. S. Rubber Company plans to use two plies of nylon fabric coated with suitable elastomeric materials.

Tensile strength of the proposed construction is approximately 1300 pounds per inch width of material. Weight of the material is about a half pound per square foot and thickness is about 1/10 of an inch. Weight of a 50,000 gallon tank would be about 1800 lbs.

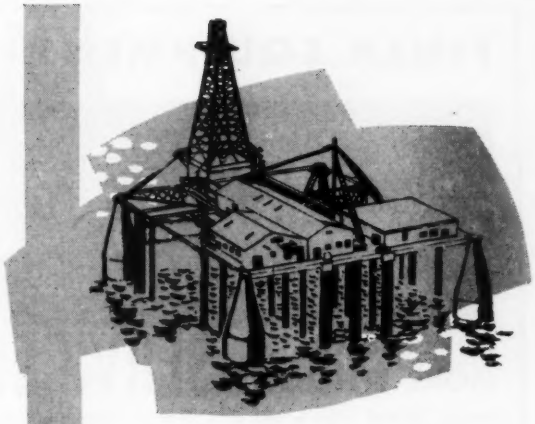
The elastomeric material on the interior of these cells would be a Buna N compound of the type that has been used in flexible fuel cells for several years. The elastomeric material on the exterior would be a neoprene compound. Neoprene and nylon are outstanding in resistance to aging in atmospheric conditions, oil, water and abrasion.

A major problem yet to be solved in flexible cells for use in underwater liquid storage systems is to prevent marine growth on the cells and on other component parts of the system that would come in contact with the cells. Several methods are available to meet this problem including built-in inhibitors and coatings. Research and experimentation will soon decide the best solution to this problem.

At the initial meeting it was suggested that oil producing companies give consideration to underwater liquid storage systems of the type described and if it is considered practical from the users point of view, a trial installation be made. This would permit testing of the design concept and components selected for the installation. This proposal is now being considered by the majority of offshore oil producers and a decision to go ahead with test plans is expected soon.

# Mobile Units, Tenders, And Self-Contained Platforms Gulf Coast Area

| OWNER | NAME | WATER DEPTH | PRESENT STATUS |
|---|---|---|---|
| Barnwell Offshore, Inc. Self-elevating 176' x 176' x 152' with three 145' legs | "Mister Cap" | To 100' | Drilling for Sinclair-Sohio, Block 153, Ship Shoal Area |
| Blue Water Drilling Corp. Submersible | Rig No. 1 | 70' | Drilling in Block 78, Vermilion Area, for Austral Oil |
| The California Company Submersible 11' x 90' x 156' with four 3' x 10' x 35' pontoons | S-45 | | Bay Marchand, La., Rowan Drilling Co., contractor |
| The California Company Submersible 12' x 90' x 190', with four 4' x 24' x 50' pontoons | S-55 | | Bay Marchand, Louisiana, Noble Drilling Company |
| Continental Marine Exploration Co. Submersible 230' x 99' with 54' between fixed hulls | "M & H Drilling Platform No. 12" | To 30' | Shut down, Terrebonne Bay |
| Coral Drilling Company Submersible 180' x 151' x 84' with four pontoons | "Mr. Arthur" | To 70' | Drilling in Block 23, S. Timbalier Area, California Company. |
| Deepwater Exploration Co. Self-elevating overall 121' x 118' | "Deepwater No. 2" | | Completely salvaged unit at LeTourneau, Vicksburg yard |
| Delta Marine Drilling Co. Submersible | "Chris Zeppa" | To 35' | Waiting on Location |
| Dixilyn Drilling Corp. Self-elevating 194' x 152' overall. Three 175' legs | "Julie Ann" | To 105' | Stacked Waiting on location Block 20, Timbalier Bay Area |
| C. G. Glasscock Drilling Co. Self-elevating. Deck 258' x 104', pad 200' x 180' with four 10' dia. columns | "Mr. Gus II" | 138' | On location, Block 39, West Delta Area |
| Gulf Marine Drilling, Inc. Submersible | Rig No. 1 | 30' | Drilling La. State Lease 1483 for Gulf |
| Kerr-McGee Oil Ind., Inc. Submersible 13' x 54' x 160' with two 13' x 14' x 110' pontoons | Rig 40 | To 20' | Waiting on Location, Eugene Island Area |
| Kerr-McGee Oil Ind., Inc. Submersible 13½' x 72' x 140' with two 13½' x 13½' x 140' pontoons | Rig 44 | To 40' | Drilling in Block 28, Ship Shoal area for Kerr-McGee et al. |
| Kerr-McGee Oil Ind., Inc. Submersible 142' x 69' x 13'6", with two 10' x 11' x 146' pontoons | Rig 45 | To 35' | Drilling in Block 45 Main Pass Area for Cities Service Oil Co. |
| Kerr-McGee Oil Ind., Inc. Submersible | Rig 46 | To 70' | Waiting on location |
| Kerr-McGee Oil Ind., Inc. Submersible | Rig 47 | To 70' | Drilling for Phillips Petroleum Company, Block 40, West Cameron Area. |
| Louisiana-Delta Offshore Corp. Submersible 180' x 151' x 12' | Drill Barge Louisiana | To 65' | Working for Shell Oil Company |
| Louisiana-Delta Offshore Corp. Submersible 156' x 90' | Drill Barge Delta | To 25' | Working for The Texas Company—Caillou Island |
| Magnolia Petroleum Co. (Drill barge on piling) | Rig 52 | | Out of service |
| Marine Drilling Inc. Submersible 12' x 74' x 200' with four fixed pontoons | "101" | To 45' | Waiting on location, Timbalier area |
| Movible Offshore Co. Robert Macy Design 201' x 211' x 110' | "Movible No. 2" | To 80' | Drilling for John W. Mecom, West Cameron Area |
| Noble Barge Co. Twin-hull submersible 217' x 100' | "Lloyd Noble S-66" | To 100' | Being built at Avondale Marine Ways |

# LOSS PREVENTION

*— included in your offshore oil insurance*

YOUR INSURANCE AGENT knows the importance of experienced handling in arranging proper coverage, and he knows how much the proper servicing of losses can mean to you. For this reason he will probably recommend placing the insurance on your offshore oil drilling and production equipment with a specialized market such as Southern Marine.

**Southern Marine's Loss Prevention Service, included at no extra cost, is geared to work with you in preventing loss in order to reduce future insurance costs and prevent equipment down-time. Even with full reimbursement for loss or damage, equipment down-time knocks out your income. Ask those who use Southern Marine Loss Prevention Service how well it works.**

# SOUTHERN MARINE

**& AVIATION UNDERWRITERS, INC.**

*610 Poydras Street, TUlane 5266, New Orleans 12*

**L. K. GIFFIN** *President* **LEE M. STENTZ** *Vice President* **FRED L. KRIEDT** *Vice President*

## FINER EQUIPMENT—

## FOR FASTER, MORE EFFICIENT SERVICE!

The 51' ROBIN ANN is one of a fleet of crewboats maintained by Robin Boat Rental Service, Inc. to serve the oil industry offshore. Included in the fleet are many other 51' boats of this type built by Equitable Equipment Company, Inc. of New Orleans. The ROBIN ANN is built in accordance with American Bureau of Shipping standards and U. S. Coast Guard requirements for carrying passengers for hire. She is ruggedly constructed and seaworthy, but outfitted on par with the finest pleasure yachts afloat.

**Crewboats for Sale or Charter to VENEZUELA**

*Call us for: Crewboats, Seagoing Tugs, Big Tenders*

**ROBIN BOAT RENTAL SERVICE, Inc.**

Phone FOrest 6-7217 - 8

2121 8th St. Harvey, La.



*INSURANCE*

ADJUSTERS OF AVERAGE

Facilities for handling insurance requirements for the Marine, Shipping and Oil Industries.

DEEP SEA • OFFSHORE

INLAND WATERS

World Wide Service

**ADAMS & PORTER**

ESTABLISHED 1907

Cotton Exchange Bldg. Phone: CApitol 7-5181

Cable Address: ADPORT

HOUSTON, TEXAS

*and at*

NEW YORK MARACAIBO SAO PAULO

RIO DE JANEIRO


| OWNER | NAME | WATER DEPTH | PRESENT STATUS |
|---|---|---|---|
| Ocean Drilling & Exploration Company Submersible 200' x 300' x 98' | "El Dorado" | To 70' | Drilling for CIMA, Gulf of Campeche, Mexico |
| Ocean Drilling & Exploration Company Submersible 132' x 220' x 58' | "Mr. Charlie" | 40' | Drilling for Shell Oil, Block 27, South Pass Area |
| Ocean Drilling & Exploration Company Submersible 120' x 180' x 49' | "John Hayward" | 30' | Drilling for self, et al. Block 9, East Cameron Area |
| Ocean Drilling & Exploration Company Submersible 200' x 300' x 93' | "Margaret" | To 60' | Drilling for Shell, Block 27, South Pass |
| Ocean Drilling & Exploration Company Submersible 120' x 180' x 50' | "St. Louis" | To 30' | Drilling for Shell, Block 27 South Pass Area |
| The Offshore Company Self-elevating 8½' x 70' x 203' with twelve 6' dia. caissons | Mobile Unit No. 51 | | Bayou Bouef Louisiana |
| The Offshore Company Self-elevating 13½' x 117' x 220' with fourteen 6' dia. caissons | Mobile Unit No. 52 | | Block 129-A, Eugene Island Area |
| The Offshore Company Submersible 12' x 74' x 200' with four 6' dia. caissons | Mobile Unit No. 53 | | Cameron Area |
| The Offshore Company Self-elevating 200' x 104' x 15' with eight 12' dia. towers | Mobile Unit No. 54 | | Block 22, S. Timbalier Area |
| The Offshore Company Self-elevating 200' x 104' x 15' with eight 12' dia. towers | Mobile Unit No. 55 | | Panama |
| The Offshore Company Self-elevating | Mobile Unit No. 56 | | Under Construction by American Bridge, Orange, Texas |
| Penrod Drilling Company Submersible 150' x 190' | "Jim Woodruff" | To 70' | On location in Bay Marchand Area |
| Penrod Drilling Company Submersible 196' x 108' | Rig 50 | 44' | |
| Placid Oil Co. Twin submersible hulls, each 72' x 178' | Unnamed | To 100' | Being built by Levingston at Orange |
| Reading & Bates Offshore Drilling Company Self-elevating | "C. E. Thornton" | To 90' | Drilling for Gulf Oil Corporation, Block 21, South Timbalier Area |
| Rimrock Tidelands, Inc. Submersible | "Rimtide" | To 35' | Completed in May, 1958. Waiting on location |
| Sea Drilling Corp. Submersible | "Seadrill 2" | 30' | Drilling for Union Oil & Gas Corp. of Louisiana, High Island Area |
| Sea Drilling Corp. Submersible | "Seadrill 3" | 30' | Waiting on location, Terrebonne Bay |
| Southeastern Drilling Corp. Submersible 11' x 90' x 156' with four pontoons | Rig 22, Barge 8 | | Drilling for The Texas Company, Southwest Marsh Island |
| Trans-Gulf Offshore Drilling, Inc. Self-elevating | "Trans-Gulf No. 10" | 75' | Christened March 7 at Adams Terminal, Houston, Texas |
| Union Producing Co. Submersible 160' x 190' | Unnamed | To 76' | Under construction at Todd Shipyards Corp., Houston |
| Universal Drilling Company Self-elevating | "Mr. Louie" | To 130' | Under construction by Port Houston Iron Works |
| Zapata Off-Shore Company Self-elevating. 194' x 152' overall. Three 145' legs | "Vinegaroon" | To 80' | Drilling for Standard Oil Company of Texas, Block 140-1, off Coast of Galveston, Texas |
| Zapata Off-Shore Company Self-elevating. 20' x 80' x 140', with three triangular legs | "Scorpion" | ____ | On location Cay Sal Bank, Bahamas |

## Drilling Tenders

| OWNER | NAME | WATER DEPTH | PRESENT STATUS |
|---|---|---|---|
| An-Son Offshore Drilling Co. | "Carl B. Anderson" | | Block 27, Bay Marchand |
| The California Company Converted LST, 328' x 50' | S-21 | 22' | Bay Marchand, Louisiana, Loffland Bros. |
| The California Company Converted LST, 328' x 50' | S-22 | 100' | Vermilion Area, Louisiana, Noble Drilling Co. |
| The California Company Converted LST, 328' x 50' | S-23 | 45' | Bay Marchand, Louisiana, Noble Drilling Co. |
| The California Company LST, 328' x 50' | S-24 | 37' | West Delta Area, Louisiana, Noble Drilling Co. |
| The California Company LST, 328' x 50' | S-25 | 39' | West Delta, Louisiana, Loffland Bros. rig |
| The California Company LST, 328' x 50' | S-26 | 23' | Main Pass, Louisiana, Loffland Bros. rig |
| Coastal-Marine Drilling and Construction Corp. New tender, 272' x 56' | Howard S. Cole Jr. Coastal-Mariner No. 1 | | Building platform and preparing to drill in Block 27, South Timbalier Area |
| CATC Group New tender, 260' x 54' | "J. C. Craig" | 50' | Drydock |
| CATC Group New tender, 260' x 54' | "Carle Sharp" | 72' | Drydock |
| CATC Group New tender, 260' x 54' | "Ernie Miller" | 50' | Drydock |
| CATC Group New tender, 260' x 54' | "Jack Cleverley" | | Drydock |
| Deepwater Exploration Co. Converted LST, 328' x 50' | "Deepwater No. 1" | | Block 174, Ship Shoal |
| Delta Marine Drilling Co. Converted LST, 326' x 50' | "Joseph Zeppa" | 42' | Stacked |
| Gulf Oil Corporation New tender | "Dolphin" | | Completed, placed in moth ball fleet at Orange, Tex., engines pickeled, and rig stacked |
| Gulf Oil Corporation Converted LST, 328' x 50' | "Eagle" | 118' | Rig stacked at Morgan City, Louisiana |
| Gulf Oil Corporation New tender, 272' x 60' | "Pelican" | 136' | Rig stacked at Morgan City, Louisiana |
| Humble Oil & Refining Co. Converted LST, 328' x 50' | ST-1 | 50' | Standing by |
| Humble Oil & Refining Co. Converted LST, 328' x 50' | ST-2 | 40'-50' | Standing by |
| Humble Oil & Refining Co. Converted LST, 328' x 50' | ST-3 | 60'-65' | Standing by |
| Humble Oil & Refining Co. Converted LST, 328' x 50' | ST-4 | 40'-50' | Standing by |
| Humble Oil & Refining Co. Converted LST, 328' x 50' | ST-5 | 40'-50' | At Orange, Texas for storage |
| Humble Oil & Refining Co. Converted LST, 328' x 50' | ST-6 | 40'-50' | Standing by |
| Humble Oil & Refining Co. Converted LST, 328' x 50' | ST-7 | 50' | Standing by |
| Humble Oil & Refining Co. Converted LST, 328' x 50' | ST-8 | 60'-65' | Standing by |
| Humble Oil & Refining Co. Converted LST, 328' x 50' | ST-9 | 40'-50' | Standing by |
| Humble Oil & Refining Co. Converted LST, 328' x 50' | ST-10 | 40'-50' | Standing by |
| Humble Oil & Refining Co. Converted LST, 328' x 50' | ST-11 | 40'-50' | Standing by |
| Humble Oil & Refining Co. Converted LST, 328' x 50' | ST-12 | 45'-60' | South Timbalier Area |

Exclusive Distributor
for
Louisiana, Mississippi, Alabama

**BALDT ANCHORS & CHAIN**

Large Spot Stocks of Chain, Anchors, Connecting Links, Swivels, Chain Stoppers.

Largest Gulf Stock of wire rope, shackles, turnbuckles.

Life saving equipment.

**DREYFUS SUPPLY AND MACHINERY CORP.**

2122 Kentucky Street
New Orleans, Louisiana

Day Phones
Whitehall 4-3367
Whitehall 4-3368

Night Phones
WH 5-0244
TW 9-9734

"HERE'S A POLICY, SIR, THAT WOULD ELIMINATE ALL YOUR DOWNTIME WORRIES!"

| OWNER | NAME | WATER DEPTH | PRESENT STATUS |
|---|---|---|---|
| Kerr-McGee Oil Ind., Inc. Converted YF, 260' x 48' | "Kermac I" Rig 16 | | Waiting on Location |
| Kerr-McGee Oil Ind., Inc. New Tender, 250' x 50' | "Kermac II" Rig 43 | | Waiting on location |
| Kerr-McGee Oil Ind., Inc. New Tender, 250' x 50' | "Kermac III" Rig 48 | | Waiting on location |
| Kerr-McGee Oil Ind., Inc. Converted YF, 260' x 48' | "Frank Phillips" Rig 39 | | Waiting on location |
| Liano Drilling Company New tender, 260' x 54' | "Clayton G. Dorn" | | In Drydock Orange, Texas |
| Magnolia Petroleum Co. (Converted YF) | "Gulf Coast Barge No. 2" | | Out of Service |
| MCN Group Converted YF | MDT-1 | | Block 64, East Cameron Area, Well A-6 Drilling |
| MCN Group Converted YF | MDT-2 | | Out of Service |
| MCN Group Converted YF | MDT-3 | | Out of Service |
| MCN Group Converted YF | MDT-4 | | Out of Service |
| MCN Group Converted YF | MDT-5 | | Out of Service |
| MCN Group Converted YF | MDT-6 | | Out of Service |
| MCN Group Converted YF | MDT-7 | 27' | Block 72, Ship Shoal Area, Well H-1, drilling |
| Pan American Petroleum Corp. Converted LST, 328' x 50' | "Pan American 50" | | Orange, Texas |
| Phillips Petroleum Company Converted YF, 260' x 48' | "K. S. Adams" Rig 40 | 24' | Bay Marchand, Block 5 |
| Reading & Bates Offshore Drilling Company | "J. W. Bates" | 60' | Drilling for CATC, Block 123, Vermillion Area |
| Reading & Bates Offshore Drilling Company | "George M. Reading" | 60' | Drilling for Shell Oil Co., Block 175, Eugene Island Area |
| Southeastern Drilling Corp. Converted YF | Rig 12, Barge 9 | | Shut down, Industrial Canal, New Orleans, Louisiana. |
| Zapata Off-Shore Company Converted YF, 260' x 48' | "Nola No. 1" | 16' | At Galveston, waiting on location |

## Self-Contained Platforms

| COMPANY | DESCRIP-TION | YEAR BUILT | LOCATION | WATER DEPTH |
|---|---|---|---|---|
| Brewster Bartie Off-Shore Co. | | | Block 30, West Delta | 50' |
| CATC Group | 110' x 146' | 1956 | Block 40, Grand Isle | 82' |
| CATC Group | 110' x 146' | 1956 | Block 45, West Delta | 50' |
| CATC Group | 110' x 146' | 1957 | Block 47, Grand Isle | 88' |
| CATC Group | 110' x 146' | 1957 | Block 45, West Delta | 50' |
| CATC Group | 110' x 146' | 1957 | Block 48, Grand Isle | 97' |
| Dixilyn Drilling Corp. Rig #7 | 120' x 145' | 1956 | Rig removed and in storage at Dupont's Bayou Bouef yard | |
| Forest Oil Corp. | | | Block 4, E. Cameron, Gulf Marine Drilling Inc. (power-package rig) | |
| Gulf Oil Corporation | 40' x 100' | 1957 | Rig Stacked at Morgan City, La. | |
| Humble Oil & Refg. Co. Rig # 50 | 78' x 200' | 1956 | J Platform, Block 16, Grand Isle Area | 50' |
| Humble Oil & Refg. Co. Rig # 54 | | 1958 | B Platform, Block 54, South Timbalier Area | |
| Mecom Petroleums | 82' x 193' | 1948 | Rig removed from platform | 34' |
| Phillips Petroleum Co. | 85' x 140' | 1955 | Block 184, Eugene Island Area, vacated, platform remains | 84' |
| Phillips Petroleum Co. | 88'9" x 140' | 1955 | Block 129-A, Eugene Island Area, La. Platform Inactive | 52' |
| Phillips Petroleum Co. | 88'9" x 140' | 1956 | Block 172, Eugene Island Area. Vacated platform | 77' |
| Phillips Petroleum Co. | 88'9" x 140' | 1956 | Block 191, Eugene Island. Platform inactive | 81' |
| Phillips Petroleum Co. | 88'9" x 140' | 1957 | Block 129, Eugene Island Area. Company tools | 57' |
| Pure Oil Company Converted LST | 328' x 50' | 1958 | Orange, Texas | |
| Pure Oil Company | 52' x 106' with 51' x 82' pipe rack | 1957 | Well completed, rig removed | 72' |
| Shell-Humble | 115' x 135' | 1958 | Block 188, Eugene Island Area | 68' |
| Shell Oil Company | 115' x 135' | 1958 | Block 192, West Cameron Area | 56' |
| Shell Oil Company | 55' x 110' | 1958 | Block 176, Eugene Island Area | 86' |
| Sinclair Oil & Gas Co. | 112' x 133' | 1956 | Block 86, South Timbalier Area, Rimrock Tidelands, contractor | 92' |
| Sinclair Oil & Gas Co. | 118' x 142' | 1957 | Block 175, Eugene Island Area, Rimrock Tidelands, Contractor | 85' |
| Sinclair Oil & Gas Co. | 118' x 142' | 1957 | Block 190, Eugene Island Area. Rimrock Tidelands, contractor | 72' |
| Sinclair Oil & Gas Co. | 118' x 142' | | In storage at McDermott Bayou Bouef yard | |
| Sinclair Oil & Gas Co. | 80' x 180' | 1955 | Block 15, South Timbalier. No rig in operation | |
| Sinclair Oil & Gas Co. (L Shaped) | | 1955 | Block 175, Eugene Island Area | |
| The Superior Oil Co. | 138' x 326' | 1955 | Block 71, West Cameron. Well B-6 (directional) Temporarily completed potential dual gas-condensate producer. Rig shut down —waiting on orders | 48' |
| The Superior Oil Co | 96' x 225' | 1958 | Block 76, Vermilion Area. Well B-1 Moving on Location—structure completed. Drilling at 5416' on 7-8-58 | 21' |

Powered by a 238-hp P&H diesel engine, the recently christened 62-ft. EXPLORER is the forty-eighth vessel completed by Blount Marine Corporation, Warren, Rhode Island. A novel feature is a wraparound wheelhouse.

# Vessel to Accommodate 14 Launched by Blount Marine

A 62-ft. vessel launched by Blount Marine Corporation, Warren, Rhode Island, has a built-in open fireplace and wraparound wheelhouse windows.

Christened **Explorer** recently by Marcia Blount, 11-year-old daughter of the firm's president, Luther H. Blount, the boat is described as suited to offshore personnel work and light towing.

Powered by a #687 turbo-238-hp P&H diesel engine, it is capable of a top speed of 12½ knots. Rubber engine mountings prevent metal to metal contact.

Measuring 62 ft. in length with a 17-ft. beam and a 5-ft. draft, the **Explorer** has a welded steel hull and a streamlined house.

Living quarters will accommodate fourteen persons, and an all-electric galley and bathroom with shower are provided.

Included in the **Explorer's** navigation equipment are radar, a two-way radio, an automatic pilot, and Loran and radio-direction finder.

## Ten Deck Barges Completed At American Marine Yards

American Marine Corporation of New Orleans, formerly Alexander Shipyard, has completed ten new deck barges.

Four of the 110 ft. x 30 ft. x 7 ft. barges have already been delivered to Green Bros. Motor Company, Franklinton, La.

McCullough Industries, Inc., Birmingham, Ala., will take delivery of three now nearing completion. The remaining three barges go into stock.

In addition to the ten deck barges, American Marine also completed two 25 ft. x 12 ft. x 4 ft. oil barges for Clark Equipment Company of New Orleans. These barges will carry diesel oil and gasoline and were designed to function as mid-stream service stations.

The firm recently submitted a low bid of $78,809 for repair work on the **MV Anne,** a vessel owned by Nielson-Marine Corporation.

The 68-ft. tug recently caught fire and was damaged extensively while in the New Orleans Industrial Canal.

News from the SHIPYARDS

## Gulfport Builds Margaret C For Mechling Barge Lines

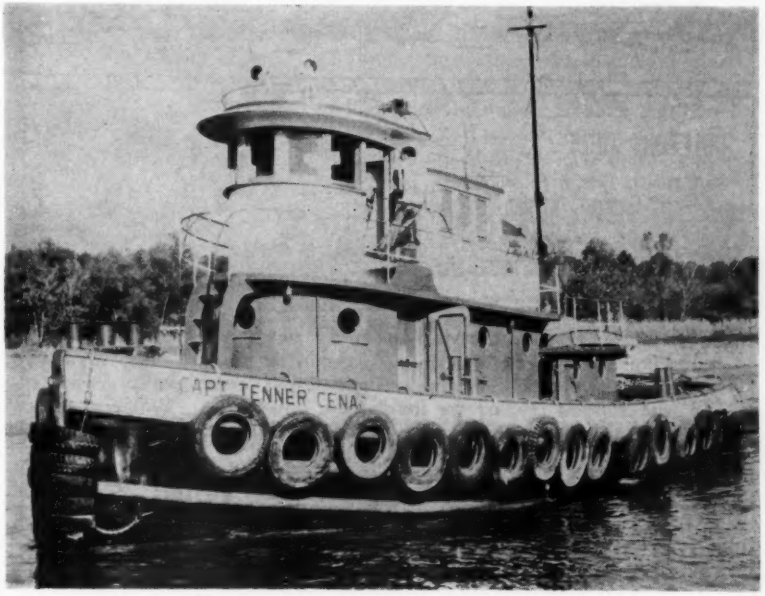
Gulfport Shipbuilding Corporation recently delivered the new 1200 HP diesel tug **Margaret C** to the General Motors Corporation, who in turn turned the vessel over to the A. L. Mechling Barge Lines, Inc., the ultimate owners.

The **Margaret C** was designed by the marine design section of the Cleveland Diesel Engine Division of General Motors Corporation with all working plans prepared by Gulfport. She is 103 ft. long, 25 ft. 1½ inches wide and 12 ft. 11 inches deep, and is powered with a General Motors 12-567C diesel engine driving through a Wichita Clutch and a Falk reduction gear having a ratio of 3.739:1.

Auxiliary electric power is supplied by one 60 KW generator driven by a General Motors 6-71 diesel engine and one 40 KW generator driven by a General Motors 4-71 diesel engine. Each generator delivers 220/440, 3 phase, 60 cycle electrical power.

Included in the **Margaret C** are such features as hydraulic steering, gyro compass, gyro pilot, Loran,

*(continued on next page)*




New 65-ft. tug CAPT. TENNER CENAC has gone to work for Alfred P. Cenac Towing Company, Houma, La., servicing offshore rigs and performing general towing in the Gulf of Mexico. Built by Main Iron Works, Houma, the vessel is powered by two tandem-twin 5-71 General Motors diesel engines turning 54-in. by 34-in. twin screws through 4:1 reduction gears.

Specialized offshore vessels being built by Casey Craft, Mermentau, La., have been clocked at speeds up to 50 mph. The line includes all steel gasoline and diesel vessels ranging from crewboats to speed boats for pushers and executives.


**INSURANCE SPECIALISTS . . .**

. . . in all forms of coverage for the oil, gas and allied industries. We would like to serve you through the insurance agent or broker of your choice.

**EXCESS-SURPLUS LINES, INC.**

818 Hibernia Bldg. New Orleans 12, La.

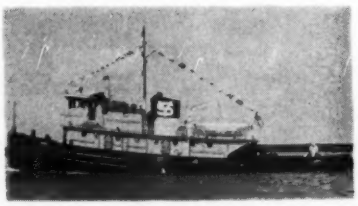
Telephone TUlane 1191 Teletype NO 157

Cable Address EXSURP



**GULFPORT BUILT . . .**

**TUG JUNO, 105' x 27' x 14'— 1700 HP General Motors Diesel Gear Drive tug, built for Suderman & Young Towing Co., Inc. Galveston, Texas. Delivered July 13, 1957.**



Gulfport Shipbuilding Corporation builds many types of fine marine equipment for the oil industry . . . derrick barges, tugs, dredges, cargo barges, drilling platforms, seismic vessels, crew and cargo boats, and fast, rugged cruisers for the inshore oilfields . . . Whatever your problem, you are in capable hands at Gulfport.

**BUILDERS AND DESIGNERS**
**All-Welded Steel Tugs, Barges, Vessels**

**GULFPORT SHIPBUILDING CORPORATION**

*"On the Highway to the Offshore Oilfields"*

Phone YUkon 2-6486 PORT ARTHUR, TEXAS P. O. Box 1179

*"Gulfport Tugs for Tough Towing"*


## Shipyard . . .

*(continued from preceding page)*

course recorder, depth recorder, radar, and a dynamic color scheme for the interior.

Main steering system is composed of one 15 HP Sperry Fleetline Hydraulic Pump and two 4" Vickers rams. Auxiliary steering is provided by one 2 HP, Type TBA Sperry hydraulic pressure to the two 4" rams. This unit is controlled by a non-follow up controller located in the pilot house.

## Avondale Launches Barge For Cities Service Oil Co.

A new dual product tank barge for a major oil company was recently launched by Avondale Marine Ways, Inc.

Designed and built for Cities Service Oil Co., Inc., by Avondale, it is especially fitted with a double pipe and valve arrangement, enabling it to carry ammonia and propane at the same time.

The barge, which measures 238 ft. by 47 ft. by 13 ft., holds six tanks measuring 12 ft. in diameter by 94 ft. length, with approximately 10,000 barrel capacity and a working pressure of 260 psi on each tank. These are situated three abreast across the barge and will carry both products in various tank combinations or separately.

## New Maracaibo Terminal Built for Drafts to 14 Ft.

In Lake Maracaibo a new marine terminal is supplying oil transport vessels, and a new deepwater pier is in the building stages.

Also, plans have been announced by Talon Petroleum Company for the first big terminal north of the bridge that has been proposed to cross the mouth of the lake near Maracaibo.

The new marine terminal, located on the east side of the lake, is capable of handling vessels having drafts up to 14 ft. Crane service is being provided by Terminales Maracaibo C. A. from the dock to various companies' operating sites.

Shell de Venezuela is in the process of constructing a $5.5 million deepwater pier at its Cardon Refin-

ery. The 1384-ft.-long structure, being built on prestressed concrete piles, will be able to service two tankers of 54,000 tons at the same time.

### Coast Guard Issues Reminder On Pre-Hurricane Procedure

The U. S. Coast Guard recently issued a reminder to marine operators in the Gulf of Mexico that advance planning for hurricanes may prevent the loss of vessels and crews.

"The hurricane season in the Gulf of Mexico is considered to extend from June through October," said Commander J. A. Kerrins of the Eighth Coast Guard District, New Orleans.

Advance procedure put forth by the Coast Guard includes:

1) Instruction of crews.
2) Pre-sailing check of vessel, machinery and equipment for seaworthiness.
3) Provision of strong ground tackle.
4) Evasion of storm center.
5) Seeking of shelter in nearest port.
6) Maintain constant radio watch on Coast Guard frequency for latest weather advisory.

### Terminal At Puerto La Cruz Gets $4.5 Million Addition

Mene Grande Oil Company has increased the capacity of its terminal at Puerto La Cruz with a $4½ million berth.

A loading capacity of 40,000 bbls. an hour is provided by a new berth which has a loading length of 60 ft.

### Creole Gets Transport Unit For Lake Maracaibo Drilling

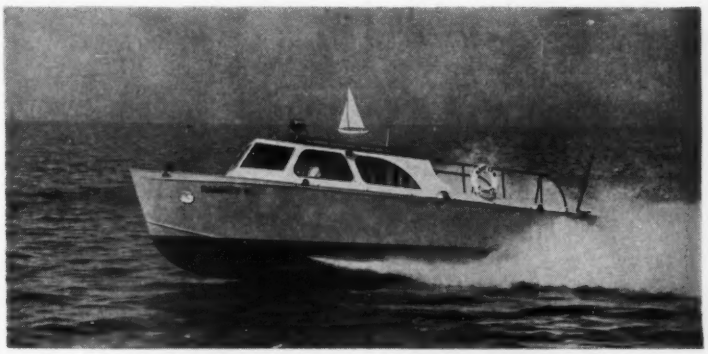
Creole Petroleum Corporation will operate a new floating drilling transport in Lake Maracaibo, Venezuela.

The platform, with a capacity of 250 tons, is self propelled and can move in any direction through the use of propellers attached to floats. It will carry equipment for Creole's marine drilling operations.

### Mobile Drilling Barge S-66 Being Constructed for Calco

A new mobile drilling barge will soon begin drilling in the Gulf of Mexico for The California Company.

The new barge, which is under construction at a New Orleans shipyard for the Noble Barge Company will be labeled the S-66.

**POWER BY KENNEDY**

. . . aboard this 32′ all-steel crew boat whose 38.3 m.p.h. makes her the FASTEST boat of her type IN THE WORLD. Twin screw, she is powered by two GM Series 6-71B marine diesel engines supplied by . . .

**KENNEDY MARINE ENGINE CO.**

GM GENERAL MOTORS DIESEL POWER

Distributors of General Motors Diesels, Onan Gasoline and Diesel Electric Plants, Bendix Depth Recorders, Surrette Marine Batteries. Call today for quick service.

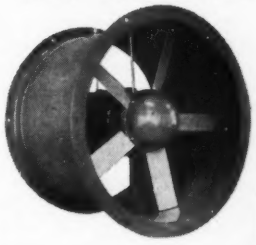
GM GENERAL MOTORS DIESEL POWER

BILOXI, MISSISSIPPI

P. O. Box 915 Phone ID 2-1531

Reed SPECIALIZED AIR MOVING EQUIPMENT

**for the Marine and Oil Industry**



The Reed line of industrial ventilating equipment consists of exhaust fans, tube-axial fans, axial flow blowers, roof ventilators, man coolers and bug fans. The Reed engineering staff is ready to advise or assist in the solution of any special ventilation or air moving problem.

REED UNIT-FANS, INC.
1001 SAINT CHARLES AVE NEW ORLEANS 8 LA

*VENEZUELAN OPERATIONS:*

TUGS BARGES

*FOR CHARTER*

**MARACAIBO MARINE SERVICE C. A.**

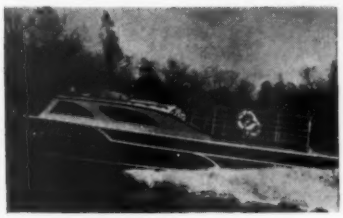
APARTADO 699
MARACAIBO, VENEZUELA
Phone 76011 – Ext. 27

Cable: "MARINOS"

429 BALTER BLDG.
NEW ORLEANS, LA.
Phone MA 6824

**BREAUX**

EQUIPPED
OILFIELD WORK BOATS



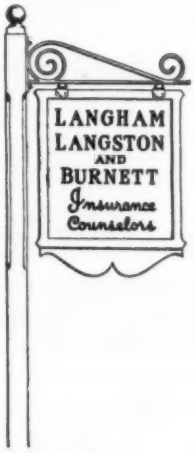
**the Sandy Candy . . .**

. . . measures 37'6" x 12'4". She is powered by two 6071A GM engines; 1.5:1 reduction gear. She attains speeds of 34.2 miles per hour at 2250 RPM and 29.0 miles per hour at 2000 RPM.

●

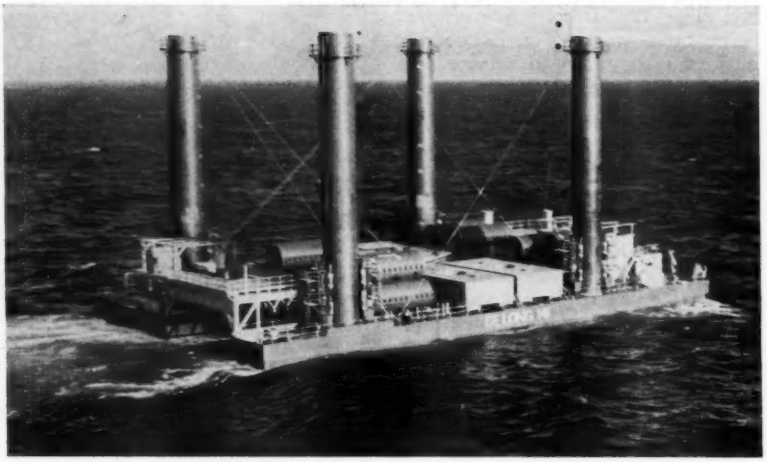
**Breaux's Bay Craft, Inc.**

of Loreauville, Louisiana
Phone EMerson 4-4540




CASUALTY
FIRE
MARINE
FIDELITY BONDS
SURETY BONDS
LIFE

**3700 Montrose Blvd.**
**Houston, Texas**
**JA 3-4481**



Newcomer to expanding Gulf of Paria drilling operations is the DE LONG 141, a 2200-ton mobile unit capable of drilling in 90-ft. waters. First marine drilling barge built for use off Trinidad, it will be operated by Trinidad Northern Areas, Ltd.

**After six-week tow . . .**

# Trinidad Rig Arrives

**Designed by De Long and built in Germany new mobile unit can drill in 90-ft. waters**

A new mobile drilling barge has joined the search for offshore oil on Trinidad's side of the Gulf of Paria.

The 2200-ton barge recently arrived off the north coast of Trinidad, completing a six-week's tow from Germany. The De Long type structure was built by the West German firm Gutehoffnungshutte Sterkade Ag, Oberhausen (Rhld).

Only the second marine drilling barge to be built in Germany, the new unit is similar in basic design to the Adma Enterprise, Abu Dhabi Marine Areas' 4000-ton platform which reportedly has discovered an oil field in the Persian Gulf.

Operating the **De Long 141** off Trinidad will be Trinidad Northern Areas, Ltd., owned by Texaco Trinidad, Inc., British Petroleum Co., and Trinidad Shell.

Mounted on four 10-ft. diameter caissons with an overall length of 188 ft., a width of 106 ft. and a moulded depth of 13 ft., the unit is capable of operating in 90-ft. waters under Gulf of Paria weather conditions.

In Trinidad the unit is being outfitted with an IDECO 711 drilling rig, an A.P.I. 18 B drilling derrick and National C350 mud pumps driven by conventional G.M. diesel engines.

Generating capacity on the barge will total 600 Kwtt. and will be supplied from B.T.H. alternators driven by Paxman diesel engines.

Crew quarters on the **De Long 141** were kept to a minimum, and plans are for crews and personnel to travel to and from location at the end of each shift.

To date production on the Trinidad side of the Gulf has been attained by using fixed platforms.

TNA used a 100-ft. by 50-ft. platform to drill three wells which are now producing about 2000 barrels daily. The company has also announced that it would add a second structure of this type.

Drilling is also being carried on in the area from a floating barge by Dominion Oil Co., Ltd., a subsidiary of Standard Oil Company of California.

A test designated the **Couva Marine 1** was drilled to 7070 ft. this spring before it had to be sidetracked.

A new stationary platform will soon be moved into the Venezuelan side of the Gulf near a recent oil discovery.

Loffland Brothers Co., Tulsa, Okla., has obtained the contract and plans to erect a 110-ft. by 112-ft. concrete platform from which more than 25 wells may be directionally drilled.

First rig on the Venezuelan side recently obtained oil production between 4000 and 5000 ft. at the Posa 112-1. Paria Operations, Inc. which drilled the wildcat in 80-ft. water is now drilling a second test on the lease.

# SERVICE PERSONALITIES . . . . . In the News

### Edward Sponberg Joins Atlas Pipe Sales Staff

Edward T. Sponberg Jr., has joined the sales staff of Atlas Pipe, Inc., it was announced by Marshall W. Peters, vice president in charge of sales.

Sponberg

Sponberg was formerly associated with Tex-Tube, Inc., in a sales capacity.

Prior to that he was assistant purchasing agent, in production control, for National Supply Co. in its Houston plant.

A graduate of the University of Texas in 1958 with a B.B.A. degree, he has also attended Sam Houston State Teachers College and the University of Houston.

### Tex-Tube Names I. W. Shaw To Manager of Production

Tex-Tube, Inc. has announced the appointment of I. W. Shaw as production manager at the Houston plant.

Shaw

Shaw, a tubular goods welding expert, was with the Ford Motor Company as general superintendent of the tube-mills and drive shaft department before his appointment by Tex-Tube.

He has 25 years experience in the manufacture of welded pipe and tubing, 15 of which were spent in the Steel and Tubes division of Republic Steel Company.

Tex-Tube produces and distributes industrial piping and oil field tubular products.

### John Bible Named Officer For Southern Geophysical

John L. Bible, former head of the Houston office for Southern Geophysical Company of Fort Worth, has been named executive vice president of the company.

In another action at the annual stockholders meeting R. L. Nash, supervisor of seismic operations in the Louisiana-Mississippi area, was named manager of the New Orleans office.

Elmer F. Blake of Denver was elected vice president and Dr. Sidon Harris was reelected as president.

### Deters Gets Managerial Role With Johnston Testers, Inc.

New service manager of the export department for Johnston Testers, Inc. is 19-year company veteran Bruce Deters.

Deters

Former assistant manager of operations, Deters has seen 31 years of service in the drilling and production field. His headquarters will be Houston.

Before joining Johnston Testers in 1939, Deters had seen tenures of duty with Shell Oil Company, Petroleum Securities Company, and Kettleman North Dome Association.

His specialties since coming to the Johnston organization have been field management and equipment design and development. As service manager, he will operate under the jurisdiction of W. F. (Bill) Bettis, vice president in charge of export.

### Ideco Appointed Exporter For All Kelco Catheads

Ideco, Inc., one of the Dresser Industries, has been appointed exclusive export representative for Kelco catheads and other products, according to a joint announcement by Ben F. Kelley, chairman of the board of Ben F. Kelley Co., Inc., Tulsa, Oklahoma, and George W. Walton, president of Ideco, Inc., Dallas.

Sales and service of Kelco spinning and breakout catheads, air-operated slips, and Fulgrip tubing tongs will be handled by Ideco. No change will be made in Kelco representation within the United States and Canada, Kelley announced.

"This step has been taken in cognizance of the greatly increasing number of Kelco product users all over the world," Kelley said. "Ideco is in an outstanding position to furnish Kelco customers in foreign fields the quality of dependable and convenient service comparable to what is customary in local areas."

Ideco has agents and service representatives in every active oil area in the free world through its affiliates Dresser A. G. and Dresser International, Inc. In recent years Ideco has maintained a leading position in the export of oil field equipment for use by American contrac-

## Powell And Wilson To Head Equipment Suppliers Assoc.

The two top officers who will guide the Petroleum Equipment Suppliers Association for the next year are William T. Powell, P.E.S.A. president, who is executive vice president of the Continental-Emsco Company of Dallas, Texas, and Wallace D. Wilson, P.E.S.A. vice president, who is president of the Wilson Supply Company of Houston.

Wilson

Powell

Mr. Powell and Mr. Wilson were elected at the association's annual meeting held recently in Canada.

Other new officers of P.E.S.A. are Wharton Weems of Vinson, Elkins, Weems and Searls, Houston, treasurer; Leroy Jeffers, from the same firm, assistant treasurer; H. R. Safford, Jr., Houston, executive secretary.

Executive committee members are Donald W. Mackie, Jr., Bradford Supply Company, Penn., eastern district; W. L. Butler, W. C. Norris Company, Tulsa, mid-continent district; F. H. Hereford, Murray-Brooks, Incorporated, Lake Charles, southwestern district; H. H. Peters, Technical Oil Tools Corporation, Los Angeles, Pacific district; and Frank E. Bernsen, Lucey Products Corporation, Tulsa, finance committee chairman.

**Bludworth Standard 75' Tow Boat 75'x26'x9'-6", 1200 hp**

*Designed and Built By:*

**BLUDWORTH SHIPYARD, INC.**

Box 5426 WA 6-1741

HOUSTON, TEXAS



*Constantly Expanding...*
for better offshore service!

- EXPLORATION BOATS
- PRODUCTION BOATS
- CREW BOATS
- SUPPLY VESSELS
- TUGS
- BARGES
- Contact us for availabilities

**BEGNAUD *Marine Service***

Box 162 • ROCKPORT, TEXAS • SOuthfield 4-2627



**Daly — Contracting de Venezuela**

Underwater-Elec-Welding & Arc Cutting.
Oxy-Hydrogen-Cutting.
General Diving Inspection & Recommendation.
General Underwater Construction.
SubMarine Pipe Line Inspection. Certified Panama Canal & United States Navy Salvage Diver.

***For further information Tel. 76.671 or write to "DALY" Apardo 488, Maracaibo. Cable: DALYCON***




*(continued from preceding page)*

tors now operating abroad, as well as for foreign firms.

Ideco has established a unique "one-package" export service at its Beaumont, Texas plant that combines complete purchasing, equipping, rig-up, testing, crating, and shipping services for all types of petroleum equipment and supplies for export.

## Dresser Industries Directors Elect MacNaughton To Board

L. W. MacNaughton, board chairman for the consulting firm of DeGolyer and MacNaughton, has been elected to the board of directors for Dresser Industries, Inc. of Dallas.

MacNaughton

Following graduation from Cornell University in 1925, MacNaughton served successively as a geologist with Humble Oil & Refining Company, Rycade Oil Corporation, and Amerada Petroleum Corporation.

In 1936 he became a consultant and in 1939, with the late Everett DeGolyer, he founded the firm of DeGolyer and MacNaughton.

MacNaughton is a member of thirteen learned and professional societies including the American Association for the Advancement of Science and the American Management Association.

To the oil industry he has contributed literature on oil and gas production, geology and economics, and has developed advancements in several fields of the industry.

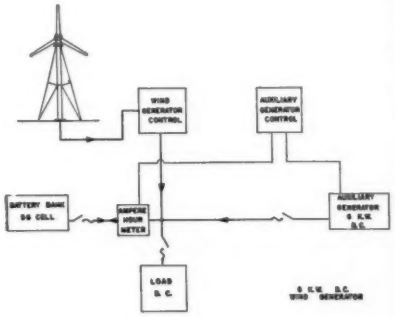
## Maxon Construction Names Gulf Coast Representative

W. R. "Bill" Washington heads a new office in New Orleans for Maxon Construction Company's marine division.

As the division's Gulf Coast representative, Washington is in charge of an area stretching from Tampa, Florida, to Brownsville, Texas. His office is in the International Trade Mart in New Orleans.

# Wind-Diesel Power Plant Designed For Remote Areas

A wind driven power package consisting of a 6 kw wind generator, battery bank, and a standby Nordberg Power Chief diesel generator is now being manufactured to provide




electrical power in remote, isolated areas. The complete power package, including the Nordberg engine, is being offered by Automatic Power, Inc., Houston, Texas. It is designed to operate on a fully automatic basis, thus reducing maintenance to one-fourth of that required for the usual diesel plant.

At the present, over sixty such installations are in operation throughout the world supplying power for: radio relay stations; remote farms; small housing estates; islands; pumping plants for irrigation and draining; aids to navigation, lights and fog signals. The wind generator has the capacity to handle the domestic electrical load of three to four average homes.

Blade design permits electrical power generation at wind velocities as low as 6 miles per hour, while maximum continuous output of 6 kw is obtained at a wind velocity of 20 miles per hour. Hydraulic pitch control of the 33 ft. diameter propeller blades assures constant generator speed at varying wind velocities.

The complete plant, mounted on a 33 ft. steel tower, is capable of withstanding wind velocities in excess of 100 miles per hour. A special storm-stop automatically feathers the blades when the wind velocity exceeds 45 miles per hour.

During long periods of low wind velocity, the load is carried by a bank of Gould batteries, and at a predetermined point of discharge the stand-by Nordberg Power Chief diesel generator automatically starts and recharges the battery. Average installations require operation of the diesel generator less than 10 percent of the time. Fully automatic, this wind power package is designed to operate four to six months unattended.

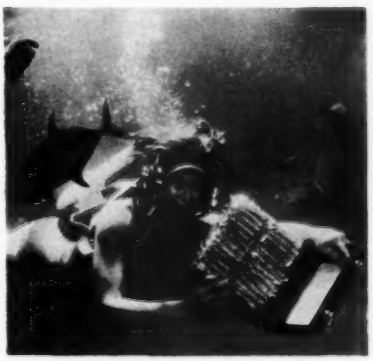
**For further information write Automatic Power, Inc., 205 Hutcheson Street, Houston 3, Texas.**

## Water-Proof Packaging Protects First Aid Kit

The E. D. Bullard Company is now packing unit type first aid packs wrapped in polyethylene to protect them from moisture, chemicals, grease and dust.

Units are placed in metal first aid kits of various sizes and shapes. Companies using first aid place them in vehicles, on walls of buildings and any other spot immediately accessible to men needing instant first aid treatment.

Bullard polyethylene "packaging with a purpose" gives each unit protection, keeping them fresh, dry and clean. Even under water they will remain dry.



The Polyethylene used is clear so that the product desired and directions for use can be easily read. To remove the wrapping, a quick pull

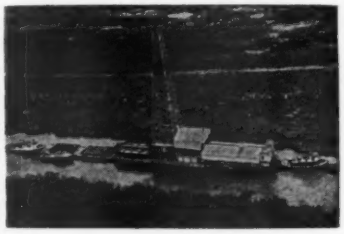
*(continued on next page)*

GM DIESEL POWER
General Motors Diesel Engines
Sales Service Parts
— Distributors —
Onan Electric Plants
Package Boat Deals
BRADY ENGINE COMPANY
Houma Berwick Louisiana Galliano
Onan

FOR THE OFFSHORE OIL FIELDS . . .
MARINE
•
ELECTRICAL
•
INDUSTRIAL SUPPLIES
L. F. GAUBERT & CO.
700 S. Broad St. New Orleans, La.

BENDIX APELCO
DECCA RADAR
FOR SALES & SERVICE
AIR SERVICE
For Communications, Sounding Equipment, Radar
F & L INDUSTRIAL ELECTRONICS SERVICE
3905 Magazine St.—Phone: Day TW 9-6313
New Orleans 15, La. Night WH 5-4147

**CENAC TOWING CO.**



- Crude Oil Transportation
- Deck Barges
- Water Barges
- Drilling Barge Moving
- Diesel fuel delivery to drilling barges and drilling locations

Houma Louisiana
Phone: 2-2413

When you need–

**BOATS**

for

**EXPLORATION-PRODUCTION**

*write, wire or call*

**GARDIN**

**OFFSHORE BOAT CO.**

D. D. "Doc" Gardin
13126 Indian Creek Dr.
Houston, Texas
Ph. HOmestead 5-6719

Galveston Field Office
Galveston Yacht Basin
P. O. Box 806
Phone 3-9628

SPECIALIZING IN THE INSURANCE NEEDS OF THE

**OFFSHORE AND INLAND**

OIL INDUSTRY

**STEINER INSURANCE AGENCY**

600 BARONNE ST. EXpress 2291
NEW ORLEANS 12, LA.

*Arthur A. Steiner*
*Edgar A. Steiner*

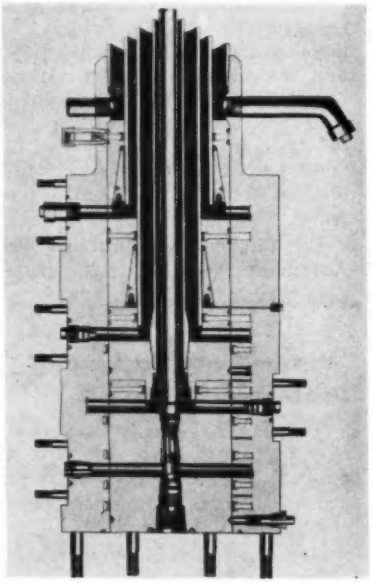



*(continued from preceding page)*

of the two tabs at one end of each unit is all that is needed.

Bullard liquid first aid items are packaged in impact-proof polyethylene bottles. Ointments in the Bullard line are packaged in crush-proof poly tubes.

**For further information write the E. D. Bullard Company, 2680 Bridgeway, Sausalito, California.**



## Cosasco Develops New 30,000 PSI Wellhead

A "super high-pressure" wellhead of advanced design has just been placed on the market by Cosasco Division of Perfect Circle Corporation, according to an announcement by Jay P. Gould, Cosasco Division manager.

Service tested for 30,000 psi working pressure, the Cosasco Model 142 unitized wellhead is described as being the most compact, highest pressure wellhead ever built. Based on a new and greatly simplified principle in wellhead design, it employs the Cosasco Access Fitting, a patented device for gaining access under pressure to oil well interiors, pipelines and other vessels.

One of the major advantages of the Cosasco wellhead over the conventional Christmas tree is that blowout prevention equipment need not be removed during the entire drilling and completion programs. No flanges, ring gaskets, bolts, nuts and mud lines need to be touched until the well is producing, yet access to any portion of the wellhead is possible at any time.

The body of the Cosasco wellhead is hammer-forged from one billet of alloy steel, heat treated for maximum strength. For a moderate additional cost, the entire wellhead can be manufactured from stainless steel. Every Model 142 wellhead will be tested during assembly at the factory to 50,000 psi, according to Gould.

Tubing suspension arrangements can be as varied as the requirements dictate. Thirty-two different basic methods of landing a single string of tubing are available, in addition to dual and triple string hangers. Solid mandrels, two-piece, annulus, Kobe type, gas lift and injection arrangements can easily be furnished. All Cosasco wellheads are available with female-thread-down, male-thread-down or slip-on-and-weld connections to casing.

**For further information write Cosasco Division of Perfect Circle Corporation, 11655 McBean Drive, El Monte, California.**

## Two-Way Radio Fitted With Tubeless Receiver

First tubeless receiver used in VHF mobile communications services is featured in a hand-carried two-way radio marketed by General Electric Company.

The radio's manufacturer believes it will be a real boon to pipeline inspection crews.

The new portable receiver is completely transistorized utilizing newly-designed transistor tetrodes instead of receivers in the front end.

G-E transistor No. 3N36, engineered for frequencies up to 100 mc, will be used in a new 25-54 mc low-band portable, while high band units will be equipped with G-E Transistor No. 3N37, designed for use up to 200 mc.

**For further information write General Electric Communications Products Department, Electronics Park, Syracuse, N. Y.**

**Conoco hits off Louisiana . . .**

# Three Triple Oilers Finaled

**Two new pay zones opened in Vermilion well as operators stick to surer field attempts**

Drill bits off Louisiana of late have been almost as oily as those off Texas were dry.

Out of a total of 65 drilling efforts, operators completed 44 as commercial producers — the vast majority oilers.

No more than three wildcat completions had been announced during July at press time, as operators chose to be nearly 70 percent sure with field wells rather than risk capital on wildcats during the slump.

Making big offshore news again was Continental Oil Company with three new triple oilwells, one of them in two new pay zones.

Conoco's A-5 (OCS-0496) well in Vermilion Block 120 field flowed 188 barrels of oil per day from deep perforations at 8677 ft. to 8687 ft. No information was released on the top zone.

Conoco also has two new triple oilwells in Grand Isle Block 47 field. The company's No. B-7 well on State Lease 948 is good for 593 barrels of crude daily, while the No. C-4 completion on State Lease 953 made 689 barrels of oil per day from its three sands.

One of the most successful operators recently has been Shell Oil Company with a total of nine commercial oil producers out of ten drilling efforts in the prolific South Pass Block 24 field.

So far in 1958, Louisiana tidelands have yielded a total of 200 producers out of 263 wells drilled. Among this total were 176 oilwells.

Wildcatting has been fair with three oilers and three gassers to show for 26 exploration attempts.

### Eugene Island Wildcat Hits For Sinclair and Partners

A wildcat on a 5000-acre Gulf of Mexico block about 35 miles off St. Mary Parish has been completed as a new oil discovery.

Sinclair Oil & Gas Company, the operator, has designated the well as No. A-4. Located in Block 190, Eugene Island area, the strike flowed 85 barrels of 32.6-degree gravity oil per day through a 6/64-in. choke from a Miocene sand perforated from 9272 ft. to 9278 ft.

The discovery completed from the platform situated in 71 ft. of water is 2½ mi. from closest production. The platform is one of four active offshore operations by Sinclair and partners.

The federal lease block is owned one-forth each by Sinclair, El Paso Natural Gas Company, Sohio Petroleum Company and Peoples Production Company.

### Hunt Wildcat Makes 400 bd Strike In Calcasieu Lake

In Calcasieu Lake in South Louisiana a salt dome oil discovery has climaxed 30 years of nothing but dry holes.

Hunt Oil Company drilled the 400-barrel per day well in its second effort in the lake. The salt dome, which lies about a mile offshore in Cameron Parish, La., had resisted efforts of drillers over a 30-year period, giving up 40 dusters.

Discovery well was drilled to 14,054 ft., tapping an oil sand on the east flank of the dome.

Hunt joined forces with Pan American Petroleum Company for the venture located on a state lease farmed out by The Texas Company. Drillers abandoned the first well at 13,325 ft. after encountering mechanical trouble.

### Two Giant Maracaibo Strikes Bring Block No. 1 Total to 12

Two more wells have been completed as significant oil producers in Block No. 1 of Lake Maracaibo by Venezuelan Sun Oil Company.

SVS No. 14, the larger of the two new wells, tested 3936 barrels of oil per day from the upper zone and 4530 barrels daily from the lower horizon.

SVS No. 13 flowed oil at the rate of 4434 barrels a day from the upper formations and 3360 barrels per day from the lower zone.

**Wildcatting continues as . . .**

# Texas Gets Gas Discovery

**New gas strike 8 mi. east of High Island is hopeful note among offshore dusters**

Operators in 1958 are keeping up the continuing search for elusive oil reserves which, according to geologists, must lie off Texas.

Since the recent new oil discovery off Jefferson County by Hunt Oil Company, however, findings have been scant.

One bright spot at press time was the completion of a wildcat 8 mi. east of High Island as a new gas discovery.

Well is the No. 1 State Lease 41152, Tract 83-S which was shut in until the gas could be marketed. Production is from the upper Miocene through perforations at 4626 ft. to 4636 ft.

The operator, Union Oil and Gas Corporation of Louisiana, drilled the discovery to a total depth of 6371 ft.

Hunt's oil discovery, first off Texas in 1958, has been established as good for 168 barrels of oil per day after the running of state potential. Initial reports said it was a 150-barrel per-day producer.

Three new completions off Jefferson County have failed to hit production.

Nelson Bunker Hunt Trust Est. plugged two efforts. Nine miles southwest of Sabine, the company announced a dry hole at its No. 1 State Tract 5-L attempt after drilling to 8117 ft. and failing to obtain production.

No. 2 State Tract 5-L was drilled to a total depth of 8810 ft. before plug was set.

**HIGH QUALITY IS MAINTAINED BY CONSTANT LABORATORY TESTS OF INGREDIENTS AND PROCESSES**

Send for a complimentary copy of our recently revised booklet "The Painting of Ships." It is an outline of the latest approved practices in all marine maintenance.

**International Paint Company, Inc.**

**Offices:**

New York 6, N. Y., 21 West St., Phone: WHitehall 3-1188
New Orleans 15, La., 628 Pleasant St., Phone: TWinbrook 1-4435
So. San Francisco, Cal., So. Linden Ave., Phone: PLaza 6-1440

**Gulf Stocks at:**

**SAN ANTONIO MACHINE & SUPPLY CO.**
Harlingen, Texas..Phone: GArfield 3-5330

**MARINE & PETROLEUM SUPPLY CO.**
Orange, Texas...Phone: 8-4323—8-4324

**SAN ANTONIO MACHINE & SUPPLY CO.**
Corpus Christi, Texas.....Phone: 2-6591

**RIO FUEL & SUPPLY CO., INC.**
Morgan City, Louisiana, Phone: 5033—3811

**TEXAS MARINE & INDUSTRIAL SUPPLY CO.**
Houston, Texas....Phone: WAlnut 6-1771

**ROSS-WADICK SUPPLY COMPANY**
Harvey, Louisiana, Phone: FIllmore 1-3433

**TEXAS MARINE & INDUSTRIAL SUPPLY CO.**
Galveston, Texas.....Phone: 5-8311

**MOBILE SHIP CHANDLERY CO.**
Mobile, Alabama..Phone: HEmlock 2-8583


# OFFSHORE LOCATIONS

## TEXAS

### Jefferson County

**Nelson Bunker Hunt Trust Est.** 1 State Tract 5-L, Wildcat, Gulf of Mexico, State Tract 5-L. Proposed Depth 10,000 feet.

2 State Tract 5-L, Wildcat, Gulf of Mexico, State Tract 5-L. Proposed Depth 10,000 feet.

### Kleberg County

**Morgan Exploration Company** 1 State Gulf Tract 938, Wildcat, Gulf of Mexico, State Tract 938. Proposed Depth 9000 feet.

## LOUISIANA

### Cameron Parish

**Mecom Petroleum Company** 6 (OCS-0300), State Lease 1134, West Cameron Block 45. Block 45, West Cameron Area. Proposed Depth 13,000 feet.

**Shell Oil Company** 1 (OCS-0447), East Cameron Block 115, Wildcat, (Sulphur Test). Block 115, East Cameron Area. Proposed Depth 400 feet.

A-4 (OCS-0406), West Cameron Block 192. Block 82, East Cameron Area. Proposed Depth 10,050 feet.

A-5 (OCS-0406), West Cameron Block 192. Block 82, West Cameron Area. Proposed Depth 9800 feet.

A-6 (OCS-0406), West Cameron Block 192. Block 82, West Cameron Area. Proposed Depth 10,650 feet.

### Jefferson Parish

**Continental Oil Company** 1 (OCS-0126), State Lease 936, Grand Isle Block 47. Block 39, Grand Isle Area. Proposed Depth 11,000 feet.

B-8 (OCS-0128), State Lease 948, Grand Isle Block 47. Block 40, Grand Isle Area. Proposed Depth 11,000 feet.

### La Fourche Parish

**The California Company** T-6 State Lease 1365, Bay Marchand Block 2. Block 1, Bay Marchand Area. Proposed Depth 7600 feet.

26 State Lease 1365, Bay Marchand Block 2. Block 1, Bay Marchand Area. Proposed Depth 7050 feet.

27 State Lease 1365, Bay Marchand Block 2. Block 1, Bay Marchand Area. Proposed Depth 8600 feet.

2 (OCS-0369), State Lease 1366, Bay Marchand Block 2. Block 2, Bay Marchand Area. Proposed Depth 10,150 feet.

3 (OCS-0390), State Lease 932, Bay Marchand Block 2. Block 26, Bay Marchand Area. Proposed Depth 8200 feet.

### Plaquemines Parish

**The California Company** I-4 (OCS-0371), State Lease 1277, Main Pass Block 69. Block 68, Main Pass Area. Proposed Depth 6350 feet.

I-3 (OCS-0383), State Lease 1354, Main Pass Block 69. Block 68, Main Pass Area. Proposed Depth 8100 feet.

1 H. B. Howcott et al, South Pass Block 24. Block 24, South Pass Area. Proposed Depth 8600 feet.

F-12 (OCS-0385), State Lease 1069, West Delta Block 30. Block 29, West Delta Area. Proposed Depth 6100 feet.

G-3 (OCS-0385), State Lease 1069, West Delta Block 30. Block 29, West Delta Area. Proposed Depth 10,600 feet.

9 Calco-Shell State Lease 1922, West Delta Block 83. Block 83, West Delta Area. Proposed Depth 10,100 feet.

1 La St 1922 et al Un 7, West Delta Block 83. Block 83, West Delta Area. Proposed Depth not given.

1 Calco-Shell State Lease 1922 et al, Un 8, West Delta Block 83. Block 83, West Delta Area. Proposed Depth 10,100 feet.

**Cities Service Production Company** 2 State Lease 2715, Main Pass Block 45, Wildcat. Block 45, Main Pass Area. Proposed Depth 9000 feet.

**Continental Oil Company** C-9 (OCS-0138), State Lease 970,

West Delta Block 30. Block 45, West Delta Area. Proposed Depth 11,250 feet.

E-6 (OCS-0138) State Lease 970, West Delta Block 30. Block 45, West Delta Area. Proposed Depth 11,250 feet.

20 State Lease 978, West Delta Block 53. Block 53, West Delta Area. Proposed Depth 10,300 feet.

**Hassie Hunt Trusts, Et Al** 1 St-Harvey "C" Tr. 2, South Pass Block 24. Block 24, South Pass Area. Proposed Depth 9800 feet.

2 St-Harvey "C" Tr 4, South Pass Block 24. Block 24, South Pass Area. Proposed Depth 9800 feet.

3 St-Harvey "C" Tr 4, South Pass Block 24. Block 24, South Pass Area. Proposed Depth 10,000 feet.

B-1 J. G. Timolat, Jr., et al, South Pass Block 24. Block 24, South Pass Area. Proposed Depth 9800 feet.

**Shell Oil Company** 1 State Lease 2555, Main Pass Block 69. Block 69, Main Pass Area. Proposed Depth 9200 feet.

1 State Lease 2558, Main Pass Block 69, Wildcat. Block 69, Main Pass Area. Proposed Depth 9000 feet.

B-37 State Lease 1388, South Pass Block 24. Block 24, South Pass Area. Proposed Depth 8000 feet.

B-20 (OCS-0350), State Lease 1008, South Pass Block 27. Block 24, South Pass Area. Proposed Depth 1,000 feet.

B-21 (OCS-0350), State Lease 1008, South Pass Block 27. Block 24, South Pass Area. Proposed Depth 10,000 feet.

25 (OCS-0352), State Lease 1011, South Pass Block 27. Block 27, South Pass Area. Proposed Depth 9500 feet.

25-A State Lease 1012, South Pass Block 27. Block 27, South Pass Area. Proposed Depth 6950 feet.

26 (OCS-0353), State Lease 1012, South Pass Block 27. Block 28, South Pass Area. Proposed Depth 10,500 feet.

29 (OCS-0353), State Lease 1012, South Pass Block 27. Block 28, South Pass Area. Proposed Depth 9700 feet.

30 (OCS-0353), State Lease 1012, South Pass Block 27. Block 28, South Pass Area. Proposed Depth 6950 feet.

**Sunnyland Contracting Company** 1 Sunnyland et al, State Lease 2673, South Pass Block 14, Wildcat. Block 14, South Pass Area. Proposed Depth 10,500 feet.

### St. Mary Parish

**Placid Oil Company** 1 (OCS-0475), Eugene Island Block 128. Block 117, Eugene Island Area. Proposed Depth not given.

**Shell Oil Company** 1-S (OCS-0450), Eugene Island Block 175, (Sulphur Test). Block 175, Eugene Island Area. Proposed Depth 380 feet.

A-3 (OCS-0445), Eugene Island Block 175. Block 176, Eugene Island Area. Proposed Depth 12,400 feet.

### Terrebonne Parish

**Kerr-McGee Oil Industries** H-1 (OCS-0346), State Lease 750, Ship Shoal Block 28. Block 28, Ship Shoal Area. Proposed Depth 14,500 feet.

**Sinclair Oil & Gas Company** 2 (OCS-0440), Ship Shoal Block 154. Block 153, Ship Shoal Area. Proposed Depth 10,000 feet.

**The Texas Company** 5 State Lease 2986, Caillou Island. Block 11, South Timbalier Area. Proposed Depth 15,000 feet.

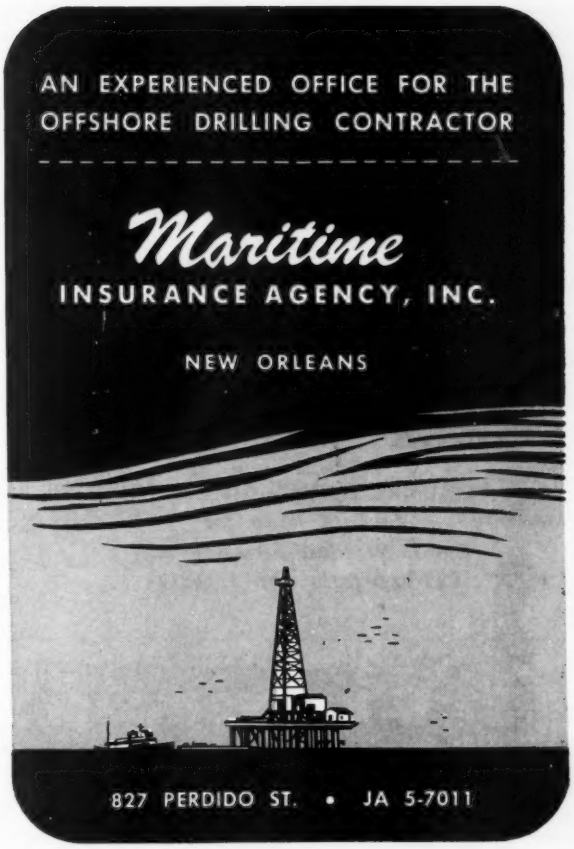
33 State Lease 1249, Caillou Island. Block 22, South Timbalier Area. Proposed Depth 15,750 feet.

### Vermilion Parish

**The California Company** B-3 (OCS-0443), Vermilion Block 164, Block 179, Vermilion Area. Proposed Depth 6800 feet.

**Continental Oil Company** A-6 (OCS-0487), Vermilion Block 120. Block 120, Vermilion Area. Proposed Depth 9500 feet.

**Shell Oil Company** 1-S (OCS-0449), Vermilion Block 164 Sulphur Test). Block 17, Vermilion Area. Proposed Depth 600 feet.

DEPENDABLE, ECONOMICAL

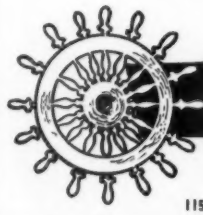
aids to Navigation

WALLACE & TIERNAN

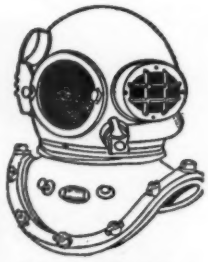
Buoy and Structure Lantern

The FA-143 is a lantern of lightweight, durable and watertight design that ensures dependable, unattended and economical operation. Available in two types—aluminum or bronze.

EXCLUSIVE MARINE DISTRIBUTOR
In Gulf Area for
Foster Welded All-Aluminum
Refrigerators and Freezers



BYRNE & RICE
SUPPLY COMPANY
NEW ORLEANS, LOUISIANA
1150 Camp Street Phone RAymond 7138



Ph. HE 6-7371
or GR 7-1824 — HE 9-2319

ELLIOTT
MARINE
DIVERS

Workmen's
Compensation Insurance

Submarine Pipelining
A Speciality

Box 5512, Drew Station Lake Charles, La.

EXPLORATION VESSELS . . .

DANTZLER BOAT RENTAL CO.

P. O. Box 377 Pascagoula, Miss.

# OFFSHORE COMPLETIONS

## TEXAS

### Jefferson County

**Nelson Bunker Hunt Trust Est.** 1 State Tract 5-L, Gulf of Mexico, Wildcat. Dry. Total Depth 8117 feet.

2 State Tract 5-L, Gulf of Mexico, Wildcat. Dry. Total Depth 8810 feet. Contractor, Penrod Drilling Company.

**Ocean Drilling & Exploration Company** 1 State Lease 41140, Gulf of Mexico, Wildcat. Dry. Total Depth 8142 feet. Contractor, Delta Marine Drilling.

**Union Oil & Gas Corporation of Louisiana** 1 State Lease 41152, Wildcat. Gas. Total Depth 6371 feet. Perfs 4626-36 feet. PT not given. TP not given. Grav. not given. GLR not given. Tract 83-S. Contractor, Western Gulf.

### Kleberg County

**Sun Oil Company** 1 State Gulf "C", State Tract 938, Gulf of Mexico. Dry. Total Depth 7988 feet. Contractor, Stewart & Gouger.

### Nueces County

**Arkansas Fuel Oil Corporation** 1 State Tract 880-S, Mustang Island Block 889, Wildcat. Dry. Total Depth 10,017 feet. Gulf of Mexico Tract 880-S. Contractor, C. G. Glasscock.

## LOUISIANA

### Jefferson Parish

**Continental Oil Company** C-4 (OCS-0133), State Lease 953, Grand Isle Block 47. Triple Oil. Total Depth 10,776 feet. Perfs 10,600-608 feet. PT 252 BOPD and 98,000 CFGPD on 9/64-inch choke. TP 1850 pounds. Grav. 33.7, GOR 389-1. Perfs 10,156-166 feet. PT 276 BOPD and 124,000 CFGPD on 9/64-inch choke. TP 1500 pounds. Grav. 32.2, GOR 449-1. Perfs 9554-558 feet. PT 161 BOPD and 77,000 CFGPD on 8/64-inch choke. TP 1525 pounds. Grav. 32.6 GOR 478-1. Block 47, Grand Isle Area. Contractor, Loffland Bros.

**Humble Oil & Refining Company** J-14 (OCS-031), State Lease 803, Grand Isle Block 16. Oil. Total Depth 7975 feet. Perfs 7870-80 feet and 7882-85 feet. PT. 215 BOPD on 8/64-inch choke. TP 1260 pounds. Grav. 35.2, GOR 460-1. Block 23, Grand Isle Area. Company Tools.

J-13 (OCS-034), State Lease 804, Grand Isle Block 16. Dual Oil. Total Depth 8195 feet. Perfs 12/8075-83 feet. PT 206 BOPD and 113,000 CFGPD on 1/8-inch choke. TP 1220 pounds. Grav. 36.5, GOR 547-1. Perfs 7594-99 feet. PT 190 BOPD and 99,000 CFGPD on 1/8-inch choke. TP 1160 pounds. Grav. 37.2, GOR 521-1. Block 23, Grand Isle Area. Company Tools.

### La Fourche Parish

**The California Company** 25 State Lease 1365, Bay Marchand Block 2. Oil. Total Depth 8174 feet. Perfs 8017-55 feet. PT 178 BOPD and 94,000 CFGPD on 16/64-inch choke. TP 240 pounds. Grav. 26.8, GOR 528-1. Block 1, Bay Marchand Area. Contractor, Rowan Drilling Company.

T-4 State Lease 1365, Bay Marchand Block 2. Oil. Total Depth 7755 feet. Perfs 7135-58 feet. PT 144 BOPD and 70,000 CFGPD on 9/64-inch choke. TP 700 pounds. Grav. 17.2, GOR 489-1. Block 1, Bay Marchand Area. Contractor, Noble Drilling Company.

S-7 (OCS-0386), State Lease 1024, Bay Marchand Block 2. Oil. Total Depth 9613 feet. Perfs 8539-8576 feet. PT 264 BOPD and 128,000 CFGPD on 12/64-inch choke. TP 680 pounds. Grav. 26.5, GOR 484-1. Block 23, Bay Marchand Area. Contractor, Noble Drilling Company.

2 (OCS-0390), State Lease 932, Bay Marchand Block 2. Oil. Total Depth 11,500 feet. Perfs 9260-86 feet. PT 283 BOPD and 77,000 CFGPD on 12/64-inch choke. TP 1060 pounds. Grav. 26.9, GOR 711-1. Block 26, Grand Isle Area.

**Gulf Oil Corporation** 65 State Lease 1772, Timbalier Bay. Location Abandoned. From USC&GS Tri Station "East 2" (1934) go S 86 deg 40 min 40 sec W 11,092.2', being 950' SW #6 Well & 940' NE #64 well.

### Plaquemines Parish

**An-Son Offshore Drilling** 1 State Lease 2752, Main Pass Block

48, Wildcat. Dry. Total Depth 10,078 feet. Block 48, Main Pass Area. Contractor, Kerr-McGee Oil Industries, Inc.

**The California Company** I-1 (OCS-0371), State Lease 1277, Main Pass Block 69. Oil. Total Depth 7528 feet. Perfs 7023-44 feet. PT 119 BOPD and 151,000 CFGPD on 11/64-inch choke. TP 600 pounds. Grav. 29.6, GOR 900-1. Block 68, Main Pass Area. Contractor, Loffland Brothers.

I-2 (OCS-0371), State Lease 1277, Main Pass Block 69. Oil. Total Depth 6601 feet. Perfs 6439-67 feet. PT 165 BOPD and 175,000 CFGPD on 18/64-inch choke. TP 175 pounds. Grav. not given. GOR 1040-1. Block 68, Main Pass Area.

15 State Lease 1923, South Pass Block 24. Oil. Total Depth 7970 feet. Perfs 6588-6603 feet. PT 212 BOPD and 73,000 CFGPD on 11/64-inch choke. TP 550 pounds. Grav. 24.6, GOR 344-1. Block 24, South Pass Area.

1 Calco-Texas-G.T. Armstrong 2 et al Unit 26, South Pass Block 24. Oil. Total Depth 8015 feet. Perfs 7906-24 feet. PT 65 BOPD on 9/64-inch choke. TP 380 pounds.

Grav. not given, GOR 510-1. Block 24, South Pass Area. 1 Calco-Texas-G.T. Armstrong, et al Unit 27, South Pass Block 24. Oil. Total Depth 7956 feet. Perfs 7836-65 feet. PT 102 BOPD on 7/64-inch choke. TP 380 pounds. Grav. not given, GOR 450-1. Block 24, South Pass Area.

G-2 (OCS-0385), State Lease 1069, West Delta Block 30. Oil. Total Depth 11,454 feet. Perfs 11,261-304 feet. PT 209 BOPD and 176,000 CFGPD on 8/64-inch choke. TP 1850 pounds. Grav. not given, GOR 780-1. Block 29, West Delta Area.

F-8 (OCS-0385), State Lease 1069, West Delta Block 30. Oil. Total Depth 11,987 feet. Perfs 7860-93 feet. PT 192 BOPD on 9/64-inch choke. TP 900 pounds. Grav. not given, GOR 395-1. Block 30, West Delta Area.

5 State Lease 1922, West Delta Block 83. Oil. Total Depth 10,927 feet. Perfs 10,031-048 feet. PT 171 BOPD on 7/64-inch choke. TP 2100 pounds. Grav. not given, GOR 760-1. Block 83, West Delta Area.

1 State Lease 1922, et al Unit 4, West Delta Block 83. Oil. Total Depth 10,636 feet. Perfs 10,074-098 feet. PT 193 BOPD and 140,000 CFGPD on 7/64-inch choke. TP 1940 pounds. Grav. 34.4, GOR 780-1. Block 83, West Delta Area.

**Continental Oil Company** C-8 (OCS-0138), State Lease 970, West Delta Block 30. Quadruple Oil. Total Depth 12,947 feet. Perfs 9784-89 feet. PT 300 BOPD and 95,000 CFGPD on 8/64-inch choke. TP 1750 pounds. Grav. 26.8, GOR 317-1. Perfs 9539-44 feet. PT 287 BOPD and 150,-000 CFGPD on 8/64-inch choke. TP 2250 pounds. Grav. 32.2, GOR 523-1. Perfs 9282-87 feet. PT 296 BOPD and 159,000 CFGPD on 8/64-inch choke. TP 2450 pounds. Grav. 29.8, GOR 540-1. Perfs 9022-27 feet. PT 241 BOPD and 169,000 CFGPD on 8/64-inch choke. TP 2400 pounds. Grav. 29, GOR 528-1. Block 45, West Delta Area. Contractor, Brewster-Bartle Drilling Company.

E-5 (OCS-0138), State Lease 970, West Delta Block 30. Triple Oil. Total Depth 10,030 feet. Perfs 9384-90 feet. PT 350 BOPD and 155,000 CFGPD on 8/64-inch choke. TP 2350 pounds. Grav. 24.9, GOR 442-1. Perfs 9082-88 feet. PT 279 BOPD and 151,000 CFGPD on 8/64-inch choke. TP 2100. Grav. 28.7, GOR 540-1. Perfs 6508-14 feet. PT 123 and 29,000 CFGPD on 8/64-inch choke. TP 650 pounds. Grav. 22.2, GOR 233-1. Block 45, West Delta Area. Contractors, Nicklos Drilling Company.

**Hassie Hunt Trusts, et al** 13 State Lease 2484, South Pass Block 24. Oil. Total Depth 9002 feet. Perfs 8578-84 feet. PT 260 BOPD on 8/64-inch choke. TP 1200 pounds. Grav. 30.8, GOR 896-1. Block 24, South Pass Area. Contractor, Penrod Drilling Company.

4 St-Harvey "C" Tr 1, South Pass Block 24. Oil. Total Depth 9042 feet. Perfs 8796-8800 feet. PT 260 BOPD on 9/64-inch choke. TP 1800 pounds. Grav. not given, GOR 1015-1. Block 24, South Pass Area. Contractor, Penrod Drilling Company.

**Shell Oil Company** 27 State Lease 1357, Main Pass Block 69. Oil. Total Depth 8176 feet. Perfs 8019-27 feet. PT 162 BOPD on 8/64-inch choke. TP 1000 pounds. Grav. not given, GOR 543-1. Block 69, Main Pass Area.

69 State Lease 998, South Pass Block 24. Oil. Total Depth 8005 feet. Perfs 7853-68 feet. PT 167 BOPD and 87,000 CFGPD on 9/64-inch choke. TP 800 pounds. Grav. 28.2, GOR 521-1. Block 11, South Pass Area.

B-36 State Lease 1388, South Pass Block 24. Oil. Total Depth 7945 feet. Perfs 7866-74 feet. PT 81 BOPD on 6/64-inch choke. TP 850 pounds. Grav. 27.5, GOR 470-1. Block 11, South Pass Area.

B-25 (OCS-0349), State Lease 1007, South Pass Block 27. Oil. Total Depth 6567 feet. Perfs 6420-35 feet. PT 127 BOPD on 9/64-inch choke. TP 800 pounds. Grav. not given, GOR 695-1. Block 23, South Pass Area.

B-26 (OCS-0349), State Lease 1007, South Pass Block 27. Oil. Total Depth 6580 feet. Perfs 6452-73 feet. PT 98 BOPD on 11/64-inch choke. TP 260 pounds. Grav. 27.4, GOR 565-1. Block 23, South Pass Area.

B-27 (OCS-0349), State Lease 1077, South Pass Block 27. Oil. Total Depth 6572 feet. Perfs 6430-47 feet. PT


**THE PHOTO MART, INCORPORATED**

Jesse T. Grice
Photographer

COMMERCIAL • AERIAL
INDUSTRIAL

owner of the world's largest collection of

OFFSHORE RIG PHOTOGRAPHS

COLOR—BLACK & WHITE

914 7th St.
MORGAN CITY, LOUISIANA
Phone 5403
P. O. Box 863

*"Pictures Tell The Story — May We Show You"*

**Geer Studio, Inc.**

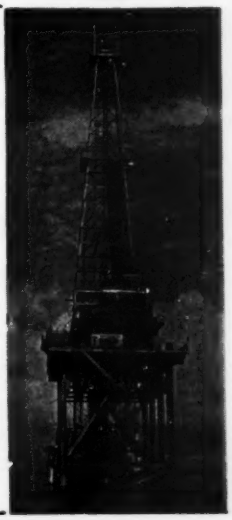
INDUSTRIAL PHOTOGRAPHY

We specialize in pictures for the oil industry — oil rigs, equipment and boats. Aerial photography, color and 16-mm. motion pictures.

Call Jack Beech

JA 2-7419

709 Royal Street
New Orleans 16, La.



STEEL BARGES

**Thomas Jordan, INC.**

NEW ORLEANS, LA. • JAckson 2-4391

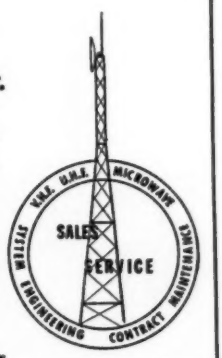
Night • UN 6-0210 • VE 5-0826 • AU 2328

*E. Emile Rackle Communications, Inc.*

Specialists in designing communication systems for specific offshore and inland petroleum operations.

•

A staff of highly trained technicians to handle your communications problems.




3847 AIRLINE HIGHWAY
New Orleans 20, La.
VErnon 3-2748 • VErnon 3-6535

**TOPS IN CREW BOATS**

*51' "EQUITY" Crew Boat*

**ALL STEEL 24 M. P. H. DIESEL TWIN SCREW**

**Equitable Equipment Co., Inc.**

410 Camp St. Dept. R New Orleans 12, La.

*Watch for the . . .*

**ANNUAL MARINE DRILLING & PRODUCING EDITION OF**

# Offshore

*Coming August 20*

180 BOPD and 61,000 CFGPD on 9/64-inch choke. TP not given. Grav. 27.8, GOR 339-1. Block 23, South Pass Area.

20 (OCS-0352), State Lease 1011, South Pass Block 27. Oil. Total depth 7956 feet. Perfs 7853-68 feet. PT 192 BOPD on 13/64-inch choke. TP 1380 pounds. Grav. not given, GOR 386-1. Block 27, South Pass Area.

23 (OCS-0352), State Lease 1011, South Pass Block 27. Oil. Total depth 8003 feet. Perfs 7831-38 feet and 7842-49 feet. PT 212 BOPD and 145,000 CFGPD on 9/64-inch choke. TP 1000 pounds. Grav. 32.5, GOR 683-1. Block 27, South Pass Area.

24 (OCS-0352), State Lease 1011, South Pass Block 27. Oil. Total Depth 8062 feet. Perfs 7270-88 feet. PT 50 BOPD on 24/64-inch choke. TP 100 pounds, Grav. 26.9, GOR 1035-1. Block 27, South Pass Area.

21 (OCS-0353), State Lease 1012, South Pass Block 27. Oil. Total Depth 8943 feet. Perfs 8791-8805 feet. PT 153 BOPD on 8/64-inch choke. TP 1320 pounds. Grav. 27.3, GOR 1140-1. Block 28, South Pass Area.

25 (OCS-0353), State Lease 1012, South Pass Block 27. Junked and abandoned. Total Depth 1896 feet. Block 28, South Pass Area.

28 (OCS-0353), State Lease 1012, South Pass Block 27. Oil. Total depth 8005 feet. Perfs not given. PT not given. TP not given. Grav. not given, GOR not given. Block 28, South Pass Area.

35 (OCS-0353) State Lease 1012, South Pass Block 27. Oil. Total Depth 7768 feet. Perfs 7148-74 feet. PT 171 BOPD on 8/64-inch choke. TP 1000 pounds. Grav. 27.3, GOR 316-1. Block 28, South Pass Area.

**Rimrock-Tidelands, Inc.** 1 State Lease 2751, Main Pass Block 49, Wildcat. Dry. Total Depth 10,075 feet. Block 49, Main Pass Area. Contractor, Rimrock-Tidelands, Inc.

**Sunnyland Contracting Company** 1 Sunnyland et al, State Lease 2673, South Pass Block 14, Wildcat. Dry. Total Depth 10,500 feet. Block 14, South Pass Area. Company Tools.

### St. Bernard Parish

**Phillips Petroleum Company** 2 State Lease 2220, Chandeleur Sound Area. Gas. Total Depth 7145 feet. Perfs 7041-45 feet. PT 742,000 CFGPD (dry) on 28/64-inch choke. TP 2275 pounds. Grav. not given, Block 48, Chandeleur Sound Area. Company Tools.

### St. Mary Parish

**Shell Oil Company** 2 (OCS-0442), Eugene Island Block 128. Abandoned Location. Total Depth not given. Block 128-A, Eugene Island Area. Contractor, Ocean Drilling & Exploration Company.

B-1 (OCS-0423), Eugene Island Block 188. Abandoned Location. Total Depth not given. Block 189, Eugene Island Area.

### Terrebonne Parish

**Sinclair Oil & Gas Company** 1 (OCS-0440), Ship Shoal Block 154. Dry. Total Depth 9588 feet. Block 153, Ship Shoal Area. Contractor, Barnwell Offshore Company.

### Vermilion Parish

**Austral Oil Exploration Company** 1 (OCS-0171), Vermilion Block 78, Wildcat. Dry. Total Depth 12,106 feet. Block 78, Vermilion Area. Contractor, Bluewater Drilling Company.

**The California Company** B-2 (OCS-0492), Vermilion Block 164. Dry. Total Depth 6538 feet. Block 164, Vermilion Area.

**Continental Oil Company** A-5 (OCS-0496), Vermilion Block 120. Triple Oil. Total Depth 9900 feet. Perfs 8677-87 feet. PT 188 BOPD and 150,000 CFGPD on 8/64-inch choke. TP 1600 pounds. Grav. 42.7, GOR 795-1. Perfs 7959-69 feet. PT 165 BOPD and 119,000 CFGPD on 8/64-inch choke. TP 1450 pounds. Grav. 43.2, GOR 722-1. Perfs 7679-94 feet. PT not given. TP not given. Grav. not given, GOR not given. Block 120, Vermilion Area. Contractor, Kerr-McGee Oil Industries, Inc.

**Pure Oil Company** 1 (OCS-0204), State 878, Vermilion Block 39. Dual Gas. Total Depth 16,040 feet. Perfs 9906-20 feet. PT 5,120,000 CFGPD on ¼-inch choke. TP 3525 pounds. Gray, not given, GOR not given. Perfs 8049-77 feet and 8085-91 feet. PT 3,766,000 CFGPD on ¼-inch choke. TP 2547 pounds. Grav. not given, GOR not given. Block 38, Vermilion Area. Contractor, Kerr-McGee Oil Industries, Inc.

# Oil Man's Calendar

AUGUST

14 American Petroleum Institute, Oil Information Committee Steering Committee meeting. Waldorf-Astoria Hotel, New York City.

19-22 American Institute of Electrical Engineers, general meeting, Sacramento, California.

SEPTEMBER

3-5 American Petroleum Institute Oil Information Committee meeting. Hotel Statler, Boston.

7-12 American Chemical Society, fall meeting, Chicago.

10-12 National Petroleum Association, 56th annual meeting. Traymore Hotel, Atlantic City, N. J.

15-16 Independent Natural Gas Association of America, annual membership meeting. Roosevelt Hotel, New Orleans.

15-17 American Institute of Electrical Engineers, conference on petroleum, Baker Hotel, Dallas.

21-24 American Society of Mechanical Engineers, petroleum division, mechanical engineering conference, Comospolitan Hotel, Denver, Colorado.

25-26 Mid-Continent Oil and Gas Association, Louisiana-Arkansas division, annual meeting, Roosevelt Hotel, New Orleans.

28-Oct. 1. AIME, power conference, Statler Hotel, Boston.

29-Oct. 3 Society of Automotive Engineers, national aeronautic production forum, and aircraft engineering display. The Ambassador Hotel, Los Angeles.

30-OCT. 1 American Petroleum Institute Executive Committee of Board of Directors. Greenbriar Hotel, White Sulphur Springs, West Virginia.

OCTOBER

1-3 American Association of Oilwell Drilling Contractors, 18th annual meeting. Adolphus and Baker Hotels, Dallas, Texas.

5-8 Society of Petroleum Engineers of AIME, fall meeting. Houston, Texas.

5-8 National Association of Corrosion Engineers, northeast region, Somerset Hotel, Boston.

7-8 Texas Mid-Continent Oil and Gas Association, annual meeting, Statler-Hilton Hotel, Dallas.

12-18 OIL PROCESS WEEK.

13-15 American Gas Association, annual convention, Atlantic City, N. J.

13-16 Society of Exploration Geophysicists, annual meeting, Hotel Gunter, San Antonio, Texas.

13-17 American Society of Civil Engineers, annual convention, Hotel Statler, New York.

16-17 Society of Petroleum Engineers of AIME, Southern California petroleum section fall meeting. Biltmore Hotel, Los Angeles.

19-21 National Association of Oil Equipment Jobbers, annual convention & trade show. Hotel Adolphus, Dallas, Texas.

20-24 National Association of Corrosion Engineers, south central region, Roosevelt Hotel, New Orleans.

22-23 National Association of Corrosion Engineers, western region, corrosion control course, U. S. Grant Hotel, San Diego, California.

22-24 Southwestern Federation of Geological Societies, technical meeting, Mineral Wells, Texas.

23-24 Western Petroleum Refiners Association, annual session on refining technology & industrial relations meeting. Rufus Garrett Hotel, El Dorado, Arkansas.

26-31 American Institute of Electrical Engineers, general meeting, Pittsburgh.

27-28 Independent Petroleum Association of America, annual meeting, Statler-Hilton Hotel, Dallas.

NOVEMBER

6-7 American Association of Petroleum Geologists, Pacific section annual meeting, Los Angeles.

10 Transportation Club of the Petroleum Industry, annual meeting, Bismarck Hotel, Chicago.

10 American Petroleum Institute, Oil Information Committee Steering Committee meeting. Conrad Hilton Hotel, Chicago.

## PROFESSIONAL LISTING


**L. K. HOMYER** *marine consultant*

503 THIRTY-SECOND STREET, NEWPORT BEACH CALIFORNIA
ORiole 3-7353

DESIGNS
SUPERVISION

SURVEYS
CONSULTATION

**Arthur D. Darden**

NAVAL ARCHITECT
AND MARINE ENGINEER

JACKSON 2-0274
505 CIVIC CENTER BUILDING
NEW ORLEANS 12, LOUISIANA

**Eustis Engineering Company**

Consulting Foundation Engineers
Borings — Test — Analyses
for Offshore Structures

3635 Airline Highway VE-5-8476 Metairie, Louisiana

**H. NEWTON WHITTELSEY, Inc.**

NAVAL ARCHITECTS MARINE ENGINEERS

17 BATTERY PLACE, NEW YORK 4, N. Y.
WHitehall 3-6280 Cable: WHITSHIP

1200 St. Charles Ave. MA 5281 New Orleans, La.

**BEDELL & NELSON ENGINEERS**

Incorporated
DESIGN — SUPERVISION — REPORTS
Bridges, Docks, Buildings, Foundations, Marine Structures
Power Plants, Roads and Railroads, Shops, Utilities

ROBERT H. MACY

Naval Architect and Marine Engineer

*Designs* *Estimates*
*Reports* *Consultation*

Specializing in Work Boats and
Floating Equipment for Offshore Drilling

Phone SOuth 2-5667 P. O. Box 711
Pascagoula, Mississippi

**MORRIS GURALNICK**

NAVAL ARCHITECTS
MARINE ENGINEERS
341 Market St. San Francisco 5, Calif.

SHIP DESIGNS
MARINE STRUCTURES
CONVERSIONS
WORK BOATS
RESEARCH
SURVEYS
WRITE FOR FOLDER

Houston: Dickinson 8-3401
New Orleans: WHitehall 9-2713

**THOMAS L. STANLEY, JR.**

Naval Architect — Marine Engineer
SURVEYOR — CONSULTANT — APPRAISER
Texas — Gulf Coast

3722 Bayou Circle
Dickinson, Texas

Phone: WOodlawn 2-2225
(Day or Night)

*Cable:* "Captain Van"
*Mail:* P. O. Box 333
GROVES, TEXAS

*Captain Van* Est. 1946 *"Surveyor & Compass Man"*

**INDEPENDENT MARINE SURVEYOR**
**CERTIFIED MARINE COMPASS ADJUSTER**
*(Oil Barges to Ocean Liners)*

Capt. J. F. Vandegrift & Co.
Master Mariners—Oceans

On Call – 24 Hours A Day
Louisiana & Texas

**W. A. Nesbitt Suggests A . . .**

# Deep Water Design

**Drilling and production platform is non weight bearing on the ocean floor and can drill in 1000 ft. waters**

A CALIFORNIA contractor recently applied for a patent on an offshore drilling and production platform design that may help lower the costs of deep-water drilling. The designer believes his platform can adequately and safely drill and produce wells in water depths up to 1000 ft. without building up a prohibitive cost factor.

This feature would be of particular advantage in the deep waters of the Pacific. His design also has features that would be advantageous in the shallower waters of the Gulf of Mexico. The platform is a non weight bearing structure designed to use the caissons or spuds that support the structure as buoyant vessels. Even though the vessels are spudded into the ocean floor and a mass concrete base is cast about them, their latent bouyancy keeps the load weight bearing surface at the ocean floor to a predesigned minimum.

**Platform erection . . .** The system involves a series of steel jacketed concrete caissons which are fixed together to form a rigid frame reinforced by coated steel struts and rod bracing. The caissons are handled during erection by a specially built launching platform which can be moved to another sight upon completion of the platform. The caissons take advantage of their own displacement during assembly. The braced structure is lowered by adding hydro-static ballast in various degrees to permit continued platform construction at the same working levels.

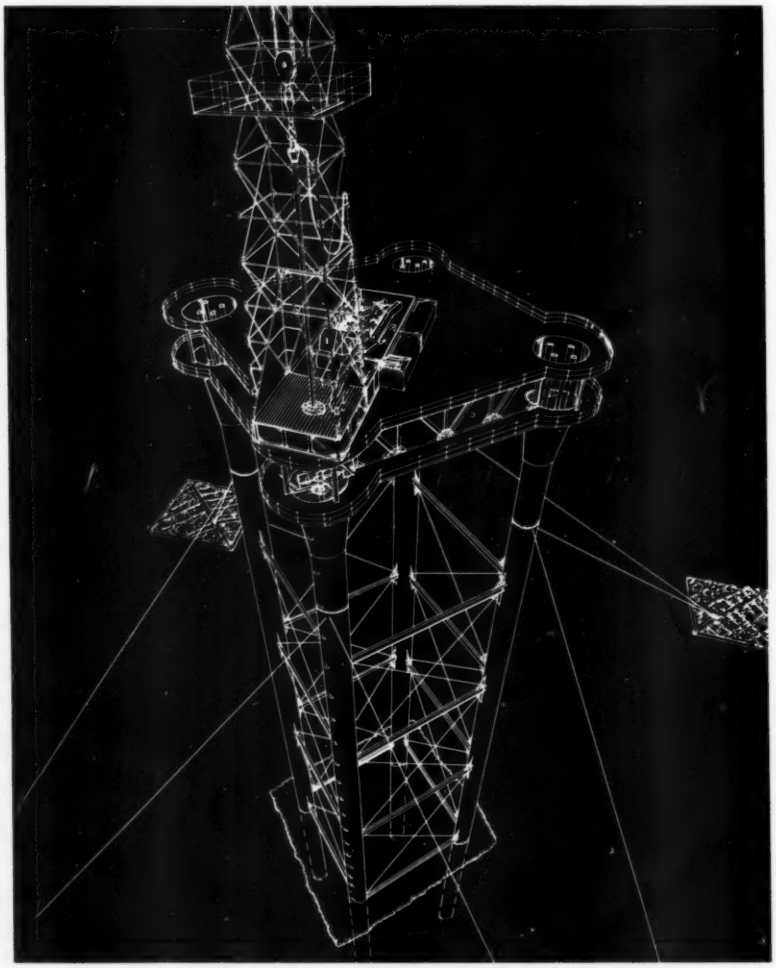
When the platform is finished the caissons are completely filled with water. The dead weight of the structure then drives the spuds into the ocean floor. A mass concrete base is cast at the foot of the platform. High tensile guy lines, attached to four precast anchor grids, are affixed to the top of the caissons by a method similar to the method used by the pre-stressed concrete industry. Caissons are then de-watered, becoming floating tanks. This makes the structure non weight bearing at the ocean floor. Displacement of these caissons is designed to be in equilibrium with the amount of dead weight of the entire structure.

**Multi-well platform . . .** Each platform is designed to allow four wells to be drilled through each spud, giving each quadriphase platform sixteen wells with permanent protection from tide waters. This factor can be changed if the producer wishes to install larger caissons and run more wells through each.

Working platform consists of a main deck and a machinery deck with crew quarters, 40 ft. above mean tide.

These decks are supported by trusses bearing on the caisson heads. There is adequate room on the main deck of the platform to allow standard derrick equipment installation. This equipment may be moved to the other corners for drilling.

**Construction platform . . .** The launching platform used in the on-the-spot construction of the deep-water drilling and producing unit consists of a floating platform with a freeboard approximately forty five feet above its working level. The dead weight of the platform including the buoyancy tanks is approximately eight hundred tons. It is supported by two thousand tons of displacement. The excessive displacement is employed to carry hydro-static ballast which holds down tension to a designed ratio. The ballast controls for holding the platform level and steady are all automatic. Horizontal loads caused by tide, wind, and current are automatically compensated for.



**Drilling on Nesbitt platform would be carried on through each of four caissons supporting the structure. Equipment would be portable, allowing structure to be converted to production platform if oil is discovered.**

## NEW ALL-BRONZE LST VERT. BALLAST PUMPS

Gardner-Denver vertical pump–8" suction–6" discharge–1500 GPM–56' head. Powered by 30 HP type DN Century motors–230 VDC–frame 375-S. Controller Cutler-Hammer full magnetic, bulletin 6942–drip-proof, with push-button control, overload & low voltage protection. Excellent for aux circulating, ballast, booster, etc. NEW, in original crates.

**The Boston Metals Co.**

313 E. Baltimore St. Baltimore 2, Md.
ELgin 5-5050 LEXINGTON 9-1900

## FOR SALE

Offshore Lease Maps
Texas and Louisiana

**$2**

☆

Map of Possible Future
Marine Oil Provinces
Gulf and Caribbean

**$2**

☆

Offshore Lease Maps
Lake Maracaibo, Venezuela

**$2**

☆

**OFFSHORE**
**Map Department**
P. O. Box 977 Conroe, Texas

## OFFSHORE
### FOREIGN & DOMESTIC

"Outstanding Job Applicants" are employed and seeking a change to better themselves. Most prefer a confidential service that protects their present position.

**ACCREDITED**
**PERSONNEL SERVICES INC.**

P. O. Box 6006 323 Bouny St.
New Orleans 14, La. Phone FOrest 6-9401

## NEED 120/240 V.D.C. POWER FOR OFFSHORE RIGS?

***Then Here's The Answer!***

## 100 KW SUPERIOR DIESEL GEN. SETS

***NEW — IN ORIGINAL CRATES***

Heat exchanger cooled Superior GBD-8 4-cycle diesel engine, 5½" bore—7" stroke—1200 RPM —1330.4 cu. inch displacement—brake HP 152. DELCO 3-wire 100 KW generator—120/240 volts DC—417 amps—stab. shunt wound — self-excited — complete with balance coil. Full 100 KW output at 240 volts. SPECIFICATIONS: Fuel consumption 0.620 lbs/KW hr.—weight 10,000 lbs.—124" overall length—65 11/16" high—ht. necessary to pull piston 67⅜". Units complete with muffler, flexible pipe, thermometers, etc. F.O.B. Baltimore, Maryland or Spokane, Washington.

**The Boston Metals Co.**

313 E. Baltimore St. Baltimore 2, Md.
ELgin 5-5050 LExington 9-1900

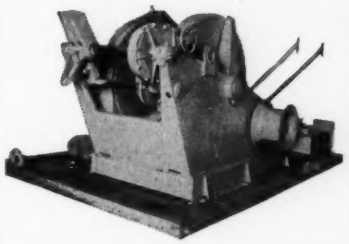
## NEW ALL-BRONZE LSM VERT. BALLAST PUMPS

Vertical centrifugal pumps–1500 GPM @ 56' head. 30 HP–1750 RPM–flanged inlet 8"–flanged outlet 6". Application: ballast or circulating. Powered by Westinghouse 30 HP 440/3/60 1750 RPM drip-proof marine type motor. Complete with magnetic controller.

**The Boston Metals Co.**

313 E. Baltimore St. Baltimore 2, Md.
ELgin 5-5050 LEXINGTON 9-1900

## 10 NEW HEAVY DUTY LSM WINCHES



50,000 lb. line pull Jaeger stern anchor winches. Drum size 25" X 25"—will spool up to 1900' of 1¼" cable. Complete with torque converters and heavy duty Continental Industrial gas engines model R-6602 —6 cyl—153 HP—radiator cooled. Torque converters will fit 6-71 diesels for conversion purposes. Units complete with level-wind devices. Excellent for pipe laying barges; mooring storage barges; tenders; and all types of floating rigs. Overall, front-to-back, 13' 9¼"—overall width 9'. Buy now and get what you want.

**The Boston Metals Co.**

313 E. Baltimore Street
Baltimore 2, Maryland
LExington 9-1900 ELgin 5-5050

## ATTENTION SUPERIOR AND CLEVELAND ENGINE OWNERS

We can save you several thousand dollars of expense when your PTD or G 510 Superior blocks are leaking water at the bottom liner seals or when the top liner gasket seat is cracked. By having portable equipment, and by removing only pistons, cylinder heads and manifolds, your down time is cut to a minimum. For further information call or write COASTAL CASTING MARINE SERVICE, 2903 Gano, Houston, Texas, Phone CA 8-7885, Nites ME 5-0391.

## MOTORS AND GENERATORS

### 1500 HP D. C. MOTORS

1500 HP—525 volts D.C.—600 R.P.M.—NEW—2-bearing continuous duty motors—manufactured by Westinghouse. In original crates. From Navy Destroyer Escort. SPECIFICATIONS: 2-bearing 1500 HP—525 volts DC—2270 amps—600 RPM—ambient temperature 40 C—class B insulation—2-bearing pedestal sleeve type—shunt wound—efficiency 94.23%. ONLY 6 AVAILABLE—BUY NOW AND SAVE. Suitable for steel mill drive—offshore oil rigs—rolling mill drive—dredge pump applications.

### 1200 KW GENERATORS

(2) Equal to new—manufactured by Allis-Chalmers. 1200 KW—525 volts D.C.—2290 amps—750 RPM—cooling self-ventilated—totally enclosed—separate excitation—continuous duty—class B insulation—mfg type M.H.C.—frog leg armature.

**The Boston Metals Co.**

313 E. Baltimore St. Baltimore 2, Md.
ELgin 5-5050 LEXINGTON 9-1900

Fine BOATEL food costs no more!

Ask the men who work on the rigs about the quality of Boatel food. They'll tell you that it not only started out as the best food offshore, but that it has continued to get better and better.

Ask us about the price. We'll show you that Boatel service is the most economical in the field, priced to fit your operating budget. We search continually for more efficient methods, and as we find them we pass the savings along to our customers. *We'll be glad to submit a competitive bid on any job that requires really good catering service.*

Write, wire or phone us.

**GENERAL MARINE CORP.**

*The same outfit that delivers top-quality Deck & Engine Service for drilling tenders*

*Now located on* **Belle Chasse Highway**
**Belle Chasse (Plaquemines Parish), La.**

*Mailing address:* **P.O. Box 262, Harvey, La.**

*Telephone* **FOrest 6-1585**


# The Slush Pit . . .

The roughneck returned home late, finding difficulty with his equilibrium and making considerable noise in the hallway. Suddenly there was a sound—his wife.

"John," she called, "What's the matter?"

From downstairs came a low mumble, "I'll teach those damn goldfish to snap at me."

---

A man browsing in a pet shop was approached by an attractive young girl who asked if she could assist in his selection.

"Well," the man replied, "I have been thinking of getting a pet for a client of mine. He is a semi-invalid; can't get out of his house—man about 75; very wealthy, nice sort of chap. He has no relatives—so the idea of a pet came to me."

The girl considered and then brightening visibly said, "I have an idea."

"Good!" said the customer, "What kind of a pet do you suggest?"

Replied the bright young lady, "Me!"

---

"Anything else, sir?" asked the bell hop, making a lady and gentleman comfortable.

Guest: "No, thank you."

Bell Hop: "Anything for your wife?"

Guest: "Why, yes, bring me a post card."

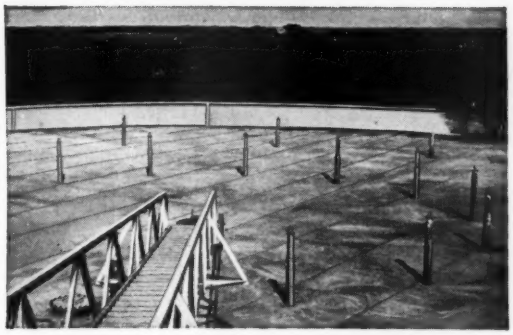
---

Have you seen the daring new Atomic Bra? It's got 80 percent fall-out.

---

"I don't know why I go out with her," complained the roughneck, "In the first place she's too skinny . . . and in the second place, too."

"THIS IS THE MOST DISPUTED OWNERSHIP AREA I'VE EVER SEEN."



*on shore . . .*

*or offshore*

your own painter can
"COLD GALVANIZE"
any steel surface with...

# DIMETCOTE

## * the 100% inorganic zinc coating

*any* **PLACE**

*any* **TIME**

*any* **WHERE**

**Dimetcote is absolutely unique. It is not a paint, it contains no oils, resins or any other organic materials, yet it can be applied by spray or brush. When Dimetcote is applied to steel, a reaction takes place at the surface which produces chemical bonding as well as physical adhesion. It is almost impossible to find the interface between Dimetcote and the steel.**

**Dimetcote has many unusual characteristics. It shows no visible change after more than ten years exposure to the most severe weather conditions – sun, heat, fresh and salt water. It is insoluble in all solvents and petroleum products. It is highly abrasion resistant, but if abraded through to bare steel, the coating will cathodically inhibit corrosion.**

**Now tanks and structures can be given the same protection that galvanizing affords, *plus salt water resistance*. Existing structures need not be dismantled and new structures can be coated either before or after erection. *Only one coat* of Dimetcote over a sandblasted surface is required to protect such structures as:**

***Tank Exteriors • Cargo Tanks in Tankers • Dam Gates • Structural Steel • Christmas Trees • Buoys • Floating Roof Tanks • Offshore Rigs • Water Tanks • Barges • Ship Decks • Stacks***

AMERCOAT CORPORATION Dept. F H
4809 Firestone Blvd., South Gate, California
Please send illustrated folder on Dimetcote

Name_____
Title_____
Company_____
Address_____
City_____ Zone____ State_____

Amercoat® **CORPORATION**

**4809 Firestone Blvd., South Gate, California**

921 Pitner Avenue, Evanston, Illinois
360 Carnegie Avenue, Kenilworth, New Jersey
2404 Dennis Street, Jacksonville, Florida
6530 Supply Row, Houston, Texas

# If it floats,

## G&H Can Tow It...
## Anytime, Anywhere

The Zapata Off-Shore Company's giant mobile unit "Scorpion" . . . currently in the Bahamas area drilling one of the most expensive test wells ever budgeted in oil industry history . . . was towed from Galveston to Cay Sal Bank location by G & H Towing Company tug "Grampus."

The 3 million dollar, 9 million pound self-elevating floating platform . . . pioneer of three-legged mobile structures in the offshore drilling fleet . . . posed no towing problem for thoroughly experienced G & H offshore towing crews. This 1000 mile tow is typical of their superior performance offshore.

With more than 35 years' diversified marine experience, G & H Towing Company is equipped with one of the most modern diesel tugboat fleets afloat . . . manned by licensed, seasoned seamen who are working partners in your offshore tow.

Call the G & H office nearest you for experienced analysis of your towing requirements . . . and prompt, dependable towing of anything that floats . . . anytime anywhere.

DAY OR NIGHT PHONE
Galveston SO 3-6468 or SO 3-4673 • Houston WA 8-5406 or MI 5-3614
Corpus Christi TU 4-8751 • New Orleans JA 5-8497

GALVESTON, 909 Texas Bldg.
CORPUS CHRISTI • HOUSTON • NEW ORLEANS

G and H

**TOWING COMPANY INC.**

FLEET OF MODERN 700 TO 1700 HP TUGBOATS FOR EVERY TOWING REQUIREMENT